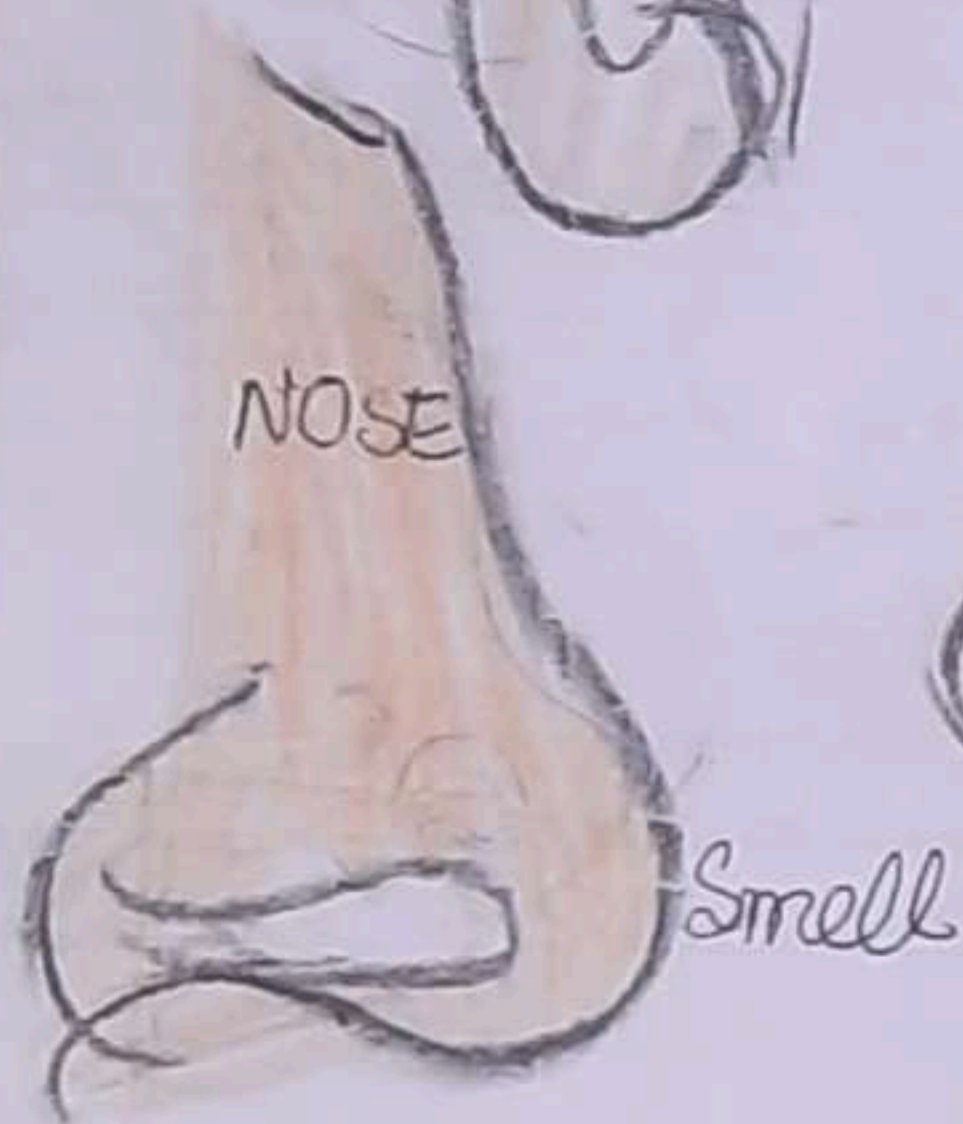
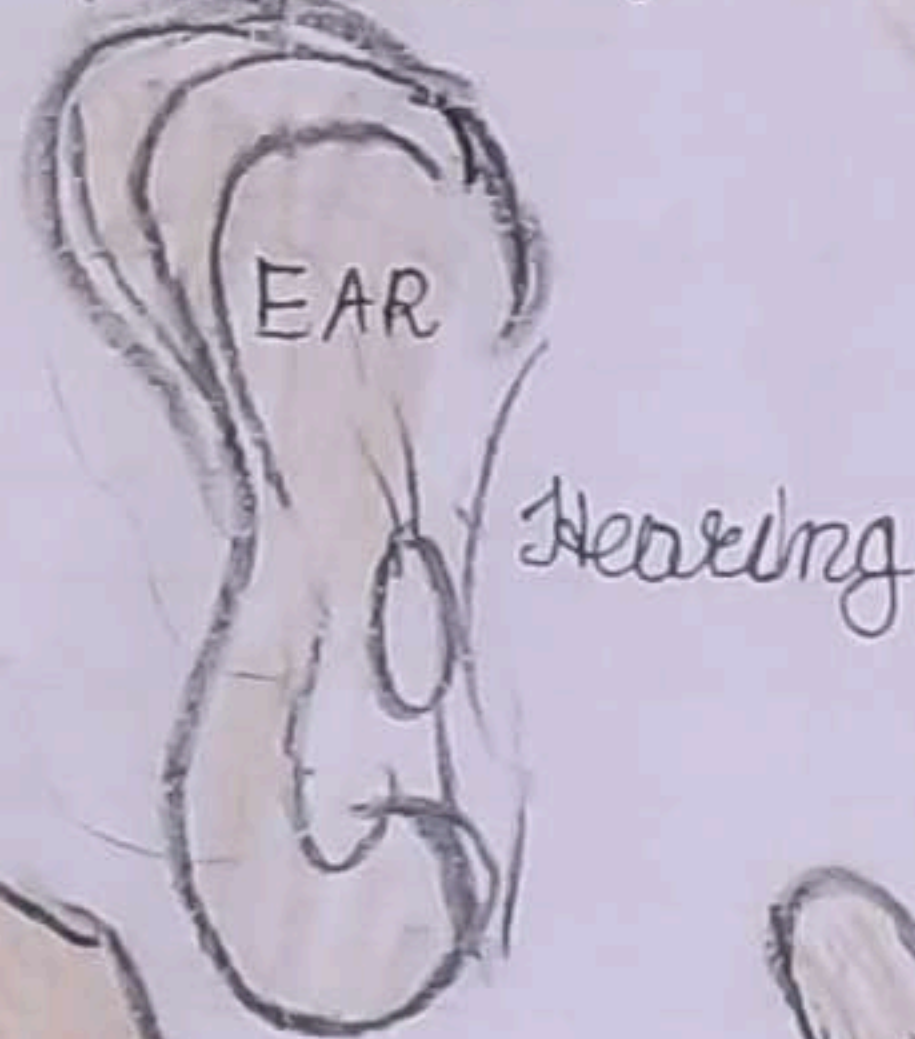


THE FIVE SENSES

2



LESSON: Super senses

Tuesday
6-4-21

1

classmate

Date

Page

3

Q1 How did the ant know that the other ants were not from its group?

Ans Ants and other animals also have different senses. They can see, hear, smell and feel. Due to different senses the ant could know that other ants were not from its group.

Q2 How did the guard ant recognise this ant?

Ans The guard ant could recognise this ant because of smell.

Drop some sugar, jaggery or anything sweet on the ground.

Wait until the ants come there.

How long did it take for the ant to come?

Ans Usually it takes 15-20 minutes for the ants to come.

Did one ant come first or a group of ants come together?

Ans One ant come first, then a group of ants come.

What did the ants do with the food?
Ans The ants ~~are~~ carried the food to their home.

Where do they go from there?
Ans They went to their ant hole from ~~there~~ there.

Do they ~~move~~ ^{move} in a line?

Ans Yes, they always move in a line.

WRITE

Qs In what ways do human beings make use of this special sense of dogs?

Ans To catch thieves,

Search stolen things,

Findings bombs etc.

Qus When do you find your sense of smell helpful to you?

Ans We can recognize the smell of flowers, perfumes, tasty food, Incense sticks, leaking gas in the kitchen etc.

Qus Name the animals that you would be able to recognise only by their smell, without seeing them?

Ans We can recognize cow, dog, cat, pony, fish etc by their smell.

Qus Write the names of five things whose smell you like and five things whose smell you do not like.

Ans I like the smell of

- 1) Perfume
- 2) Flowers
- 3) My favorite food
- 4) Incense stick
- 5) Soap
- 6) Shampoo

I do not like the smell of

- 1) Garbage
- 2) Cow dung
- 3) Dead fish
- 4) LPG gas
- 5) Petrol

wednesday
7-4-21

Some birds like - kites, eagle, vulture can see four times as far as we can. These birds can see things from a distance of eight metres. What we can see from a distance of 2 metres.



12/4/21

Danger faced by tigers

- Hunters and Poachers are the biggest threat to tigers.
- Deforestation; cutting of trees from forest illegally.
- Tigers are also killed for their skin.
People who kill animal are called hunters and poachers.

Tuesday
13-4-2021

Date

Page

11

Super Senses]

Fill in the blanks with appropriate words given in the box.

Silkworm, criminals, hunters, sloths, tongue, food, smell, mosquitoes, 4, 6, poachers.

- i) As the ants move, they leave their smell on the ground.
- ii) Mosquitoes can find you by the smell of your body.
- iii) Some birds like kites, eagles and vultures can see 4 times as far as we can.
- iv) Sloth looks like bear and sleeps for about 17 hours a day.
- v) People who kill animals are called hunters and poachers.

Write 'T' for true and 'F' for false statements.

- i) ~~Ami~~ Most of the birds can move their eyes. False
- ii) Animals can see more colours than human can. False
- iii) Dogs know if another dog has come into their area by movement. False
- iv) Sloth live about 20 years. False
- v) Animals that are awake at night can see things only in black and white. True
- vi) A tiger roar can be heard upto 6 km away. False

iv) Where is Jim Corbett National park

- a Delhi c Uttarakhand
b Jharkhand d Uttar Pradesh

v) Where is Gir National park?

- a Delhi c Rajasthan
b Haryana d Uttarakhand

4) What senses do the following animals use to find their food.

Animal	Senses
i) Dog	Smell
ii) Ant	Smell
iii) Snake	Feel Feel / Smell
iv) Eagle	Sight
v) Tiger	Hear / Sight
vi) Mosquito	Smell

Short Answers type questions.
11. Answer the following questions in brief.

→ i) Why are lizards not seen in winters?
Lizards go on a long deep sleep in winters called hibernation to protect themselves from cold.

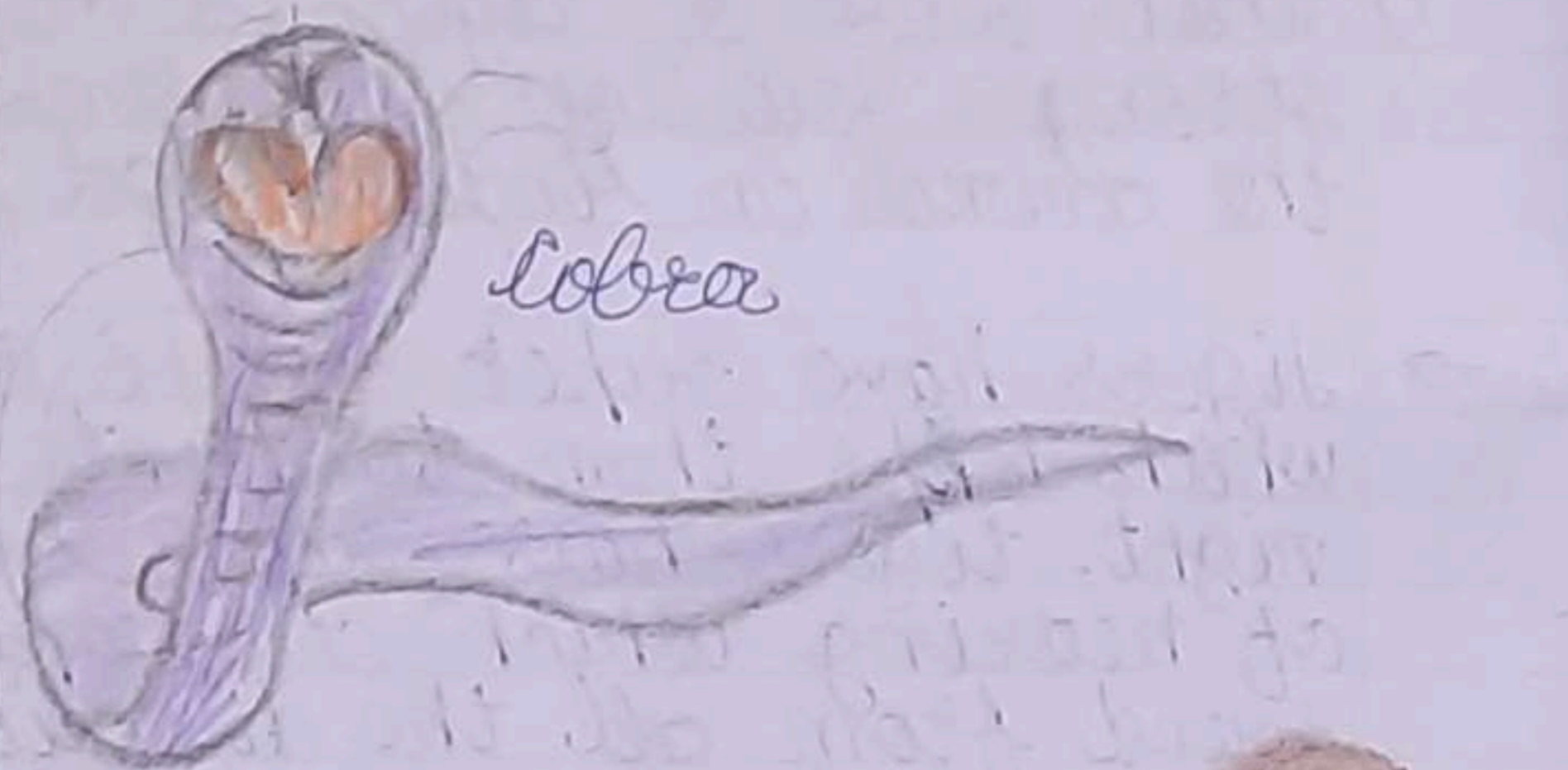
→ ii) Why are dogs used in special search operations by police?
Dogs have super sense of smell that is why they are used by police to search lost things or thieves.

→ iii) How can most of the birds see two different things at a time?
Eyes of the birds are fixed on either side of their head so they can see 2 different things at a time.

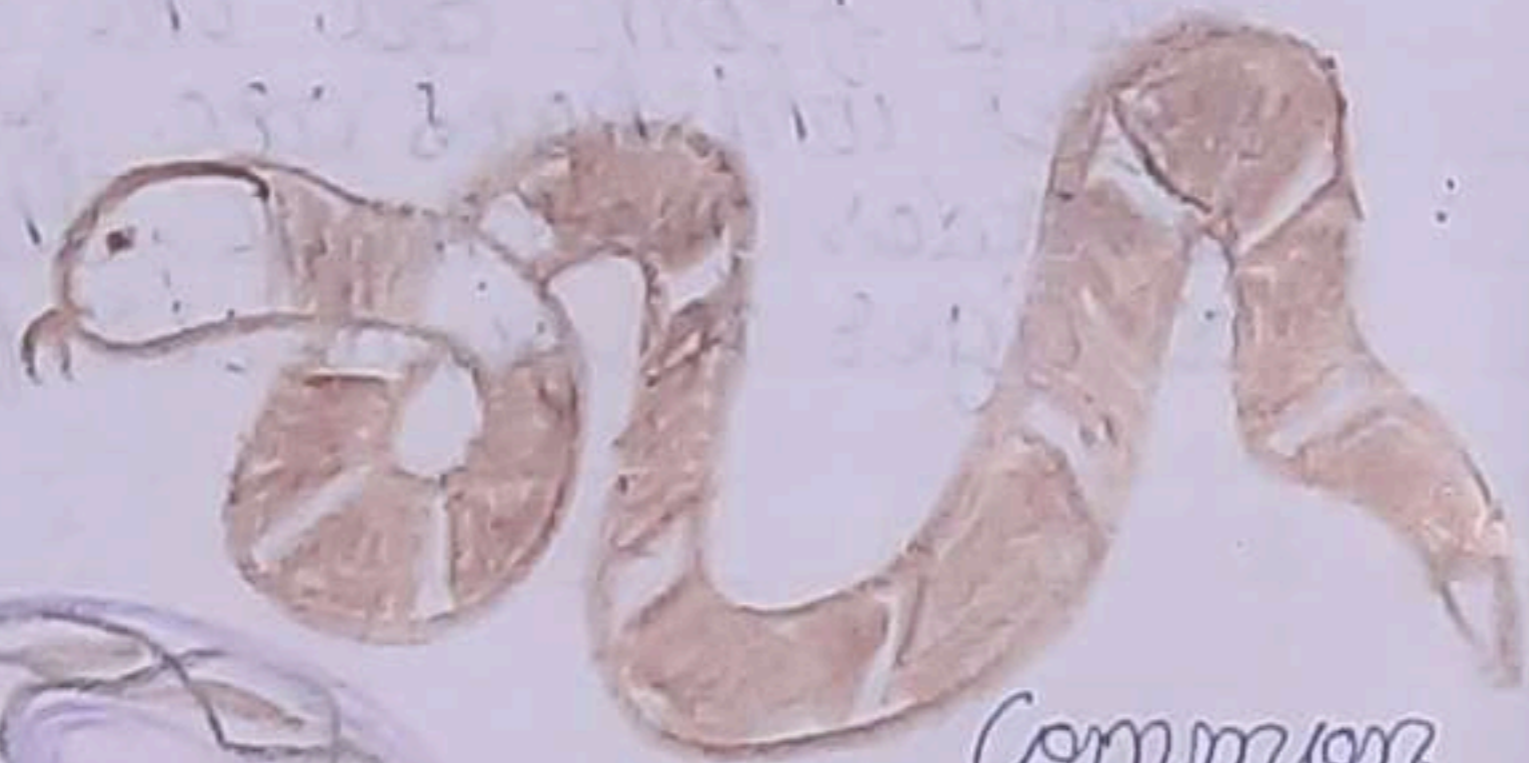
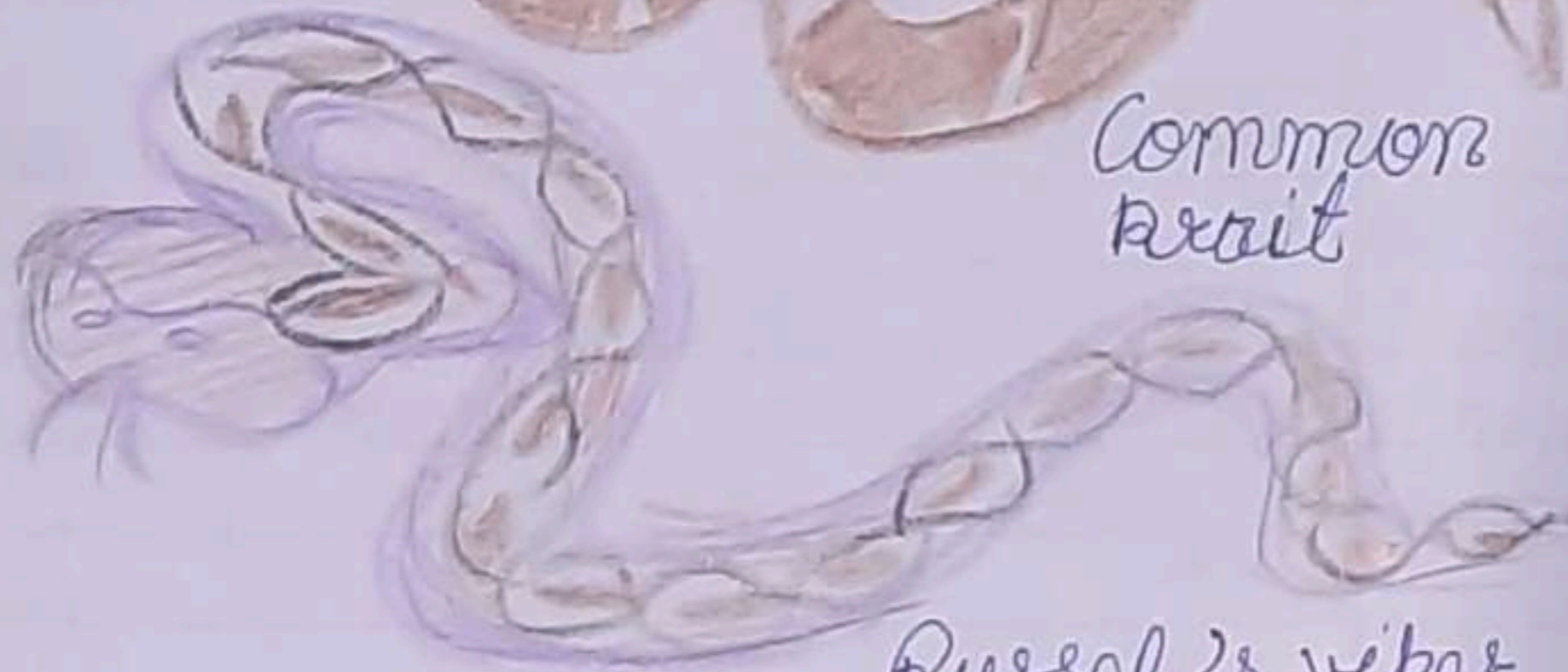
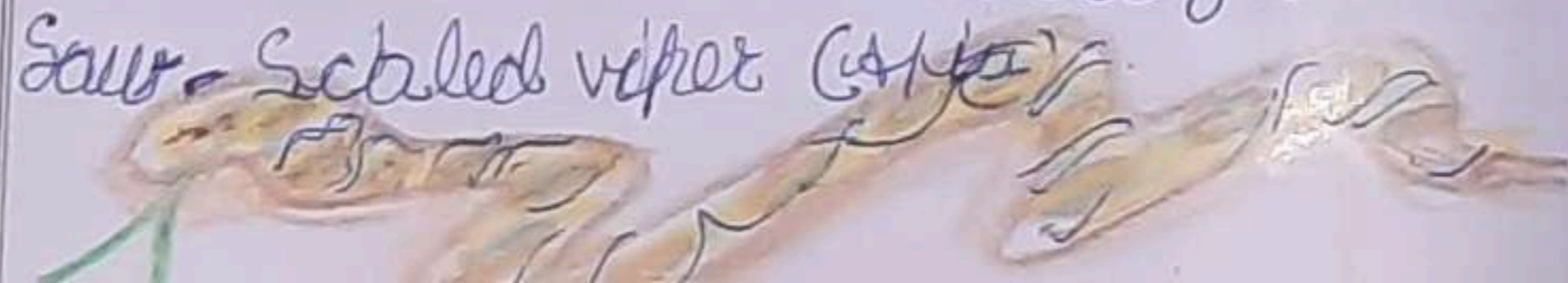
i) ~~Answer~~ Answer the following questions about tiger

i) Which sense of tiger is very strong? How does this sense help the animal in finding food?

→ Tigers have super sense of sight which helps them to hunt at night, tigers have super sense of hearing which can capture sound from all the directions, tiger's whiskers are super sensitive towards movement. These all helps a tiger to find its food.



Cobra

Common
KraitRussell's viper
(Daboia)

Saw-scaled viper (Echis)

LESSON: 2

Friday
16-4-2021A snake charmer
story.

classmate

Date
Page 17

COBRA

- The longest poisonous snake.
- Mostly found in rain forest of India.
- Mostly black in color but color varies from region to region.

COMMON KRAIT

- The most deadliest snake.
- Usually brown or black in color with white strips on its body.

RUSSEL'S VIPER (DOBOIYA)

- Oval shaped hollow or solid spots on top of the body.
- Light colored, grayish-brown, red/orange or gray colored body.

SAW-SCALED VIPER (AEAF)

- Dry looking body with rough scales.
- Light color rounded patches on top which are surrounded by 2 wavy lines from head to tail.



Eye

Poision glands

Fangs



~~Ques~~ Do you know that snakes are also called a former friend? ~~Because~~ snakes help humans by ~~because~~ eating rat present in field which spoil the crop.

What are ~~the~~ Fangs?

~~Ans~~
Ans

The 2 Poisonous teeth of snakes connected to poison glands are called Fangs.



Write

Q1. ~~Like~~ Like snake-charmers, which other people depend on animal for their livelihood?

1. Milkman - Depends on cows and buffalo.
2. Poultry farm - Depends on hens.
3. Farmers - Depends on bullocks.
4. Washerman - Depends on donkey.

Monday
19-4-2021



Bamboo
Basket

A snake charmer's story -

- 1) Fill in the blanks with appropriate words given in the box.

_____ are the people who n

~~fertilizer~~ fertilizer, medicines, kalbeliyas, beer, fangs, mark, death, medicines.

1. Kalbeliyas are the people who make the snakes dance by playing the beer.
2. Snake charmer make medicines from the plants collected from the forest.
3. From the mark of the bite, Gaheras could find out ~~which~~ which snake has bitten the person.
4. ~~The~~ Snakebite can ~~even~~ even cause death, on the spot.
5. Poisons from the teeth of snakes are known as fangs.

Write 'T' for true and 'F' for false statements

1. Saperas used to play the veena to entertain people. True
2. Snake charmers know how to remove the poisons ~~the~~ teeth (fangs) of the snake. True
3. Snake charmer or Kallielias used to gift snake to their daughter when they got married. True
4. All snakes are poisonous. False
5. The medicine for snakebite is available in all government hospitals. True

6. K

Kallielia is a kind of

a) dance form ✓

c) ~~design~~ design

The saperas carried snakes in

- a) Tin box b) bamboo basket ✓
c) cloth box d) None of these

What is the other name of the Duboisa snake?

- a) Saw scaled viper b) Sabre-toothed viper
c) Russel viper ✓ ~~d)~~
d) None of these

live lessons

Ques Snakes are friend of farmers.

Ans - Snakes eats up the rats present in the fields, helping the farmers to save their crop.

Ques Government made laws that no one can catch & keep wild animals.

Ans - To stop the hunters and poachers from killing the snakes, government made the law that no one can catch & keep wild animals.

Short answer type questions

6. Answer the following question.

Ques Why are snakes a treasure for the farmers?

Ans - Snake charmer earn a living as they entertain people by their snakes and playing the beem.

7. ~~How~~ How can snake charmer earn a living by gift of playing the beem?

Ans Snake charmer play the beem and perform the Kabbali dance to entertain people and earn a living.

Ques - Do ~~snake~~ the snake charmer treat the snake badly? Explain your answer.

Ans - ~~No~~ No, the snake charmer do not treat the snakes badly. Snakes are their treasure which are gifted to their daughters in their marriage.

Ques - What are 'Naga Yumnam'? What are their uses?

Ans - It is a kind of design used in rangoli, embroidery and decorating items in Saurashtra Gujarat as well as in south India.

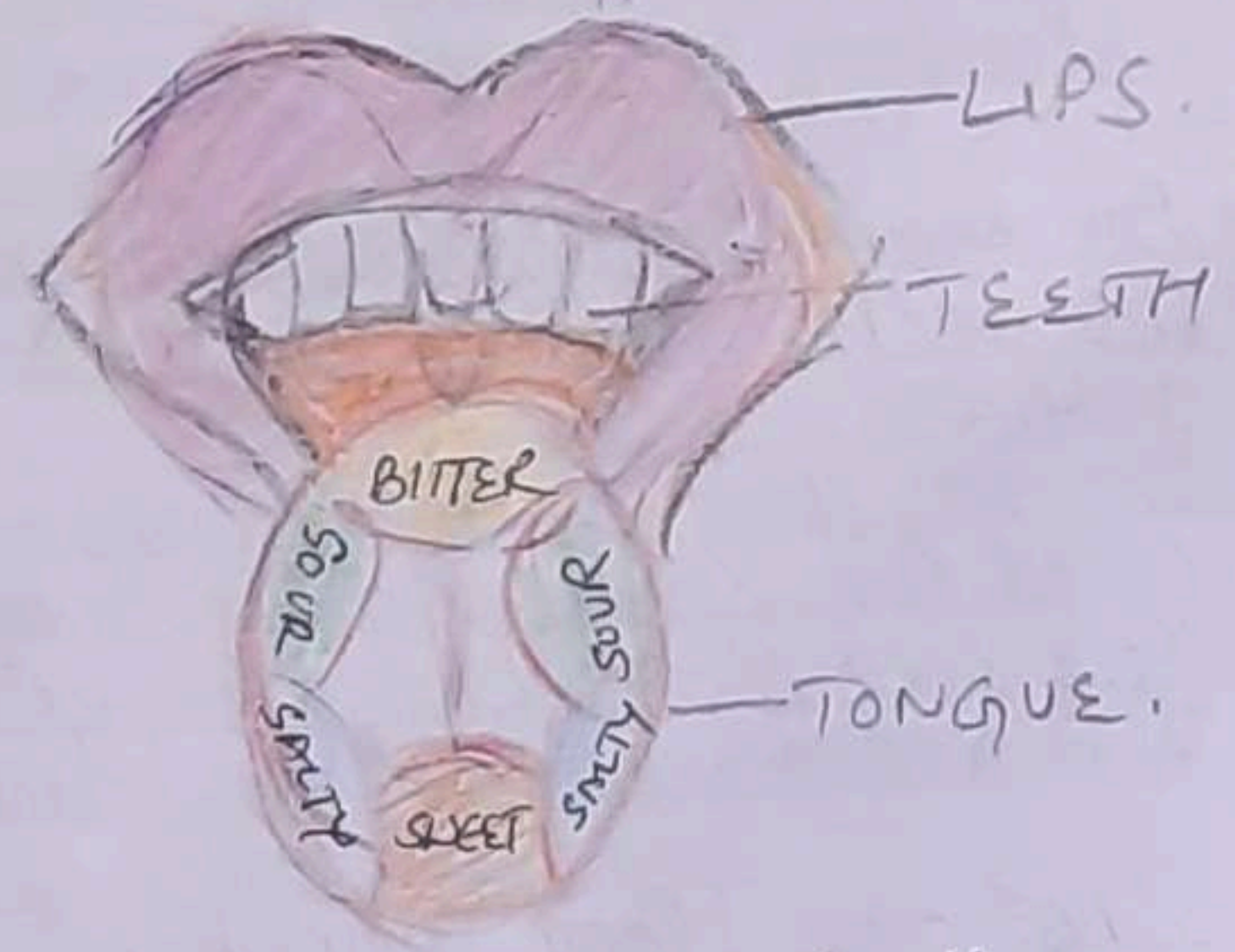
Ques - In what ways can snake charmer share their knowledge about snakes?

Ans - Snake charmer can say which snake is poisonous and which are not, they can tell catch and remove the fangs of a snake.

Friday
23-4-21

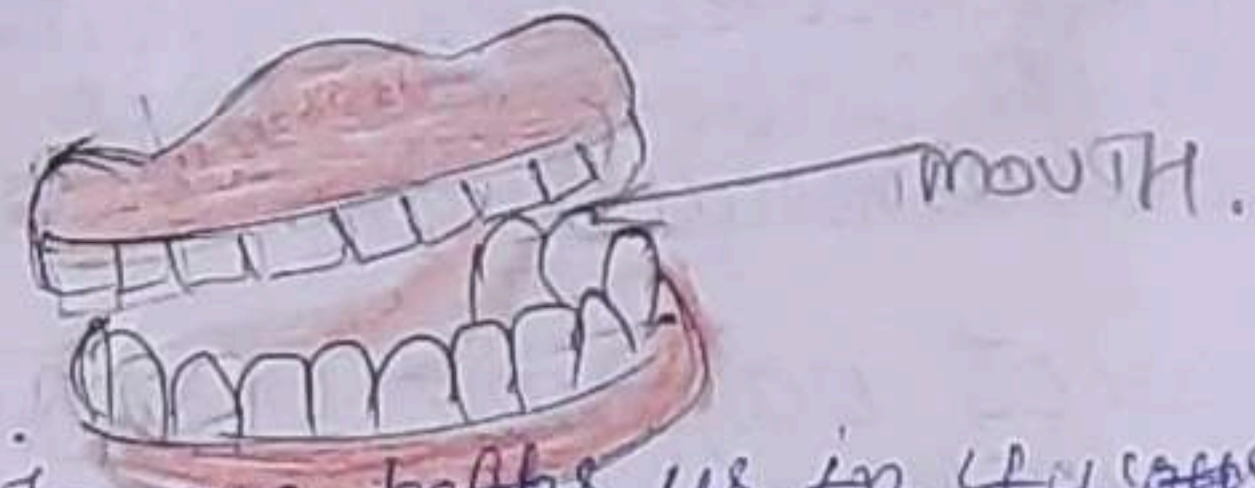
LESSON 3

From tasting to digesting -



Ques-2 Food enters our Mouth.....

A. Teeth helps chew the food



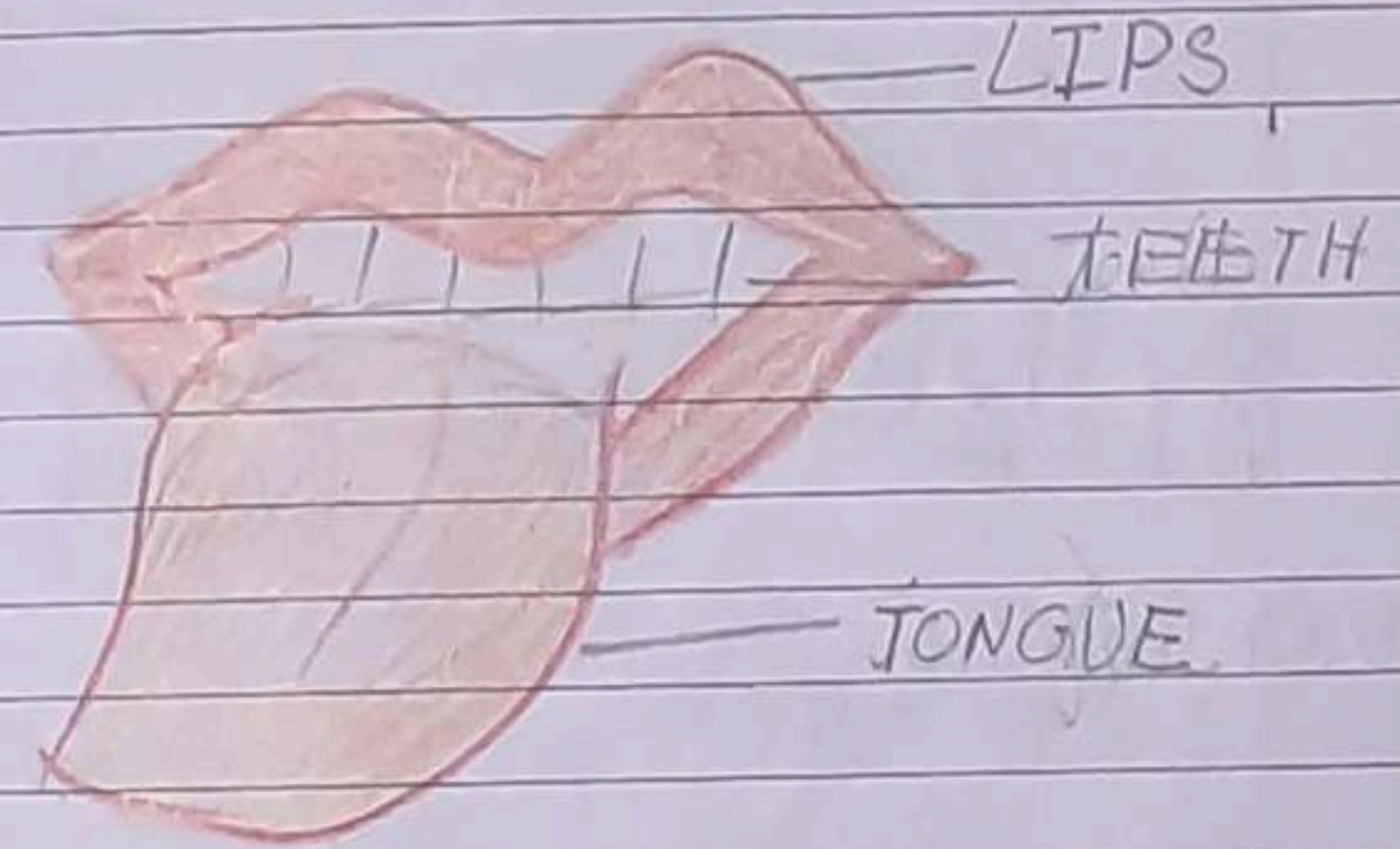
B. Tongue helps us in 4 ways
Saliva mixes with the food and makes it soft.



FRIDAY
23/4/21 FROM TASTING TO DIGESTING
Date 29
Page

Tongue helps us in 4 ways.

1. Helps the food to move from left to right + right to left for proper chewing.
2. Helps to mix the Saliva with the food.
3. Pushes back the food for swallowing.
4. Helps to taste the food.



Saturday
24-4-21

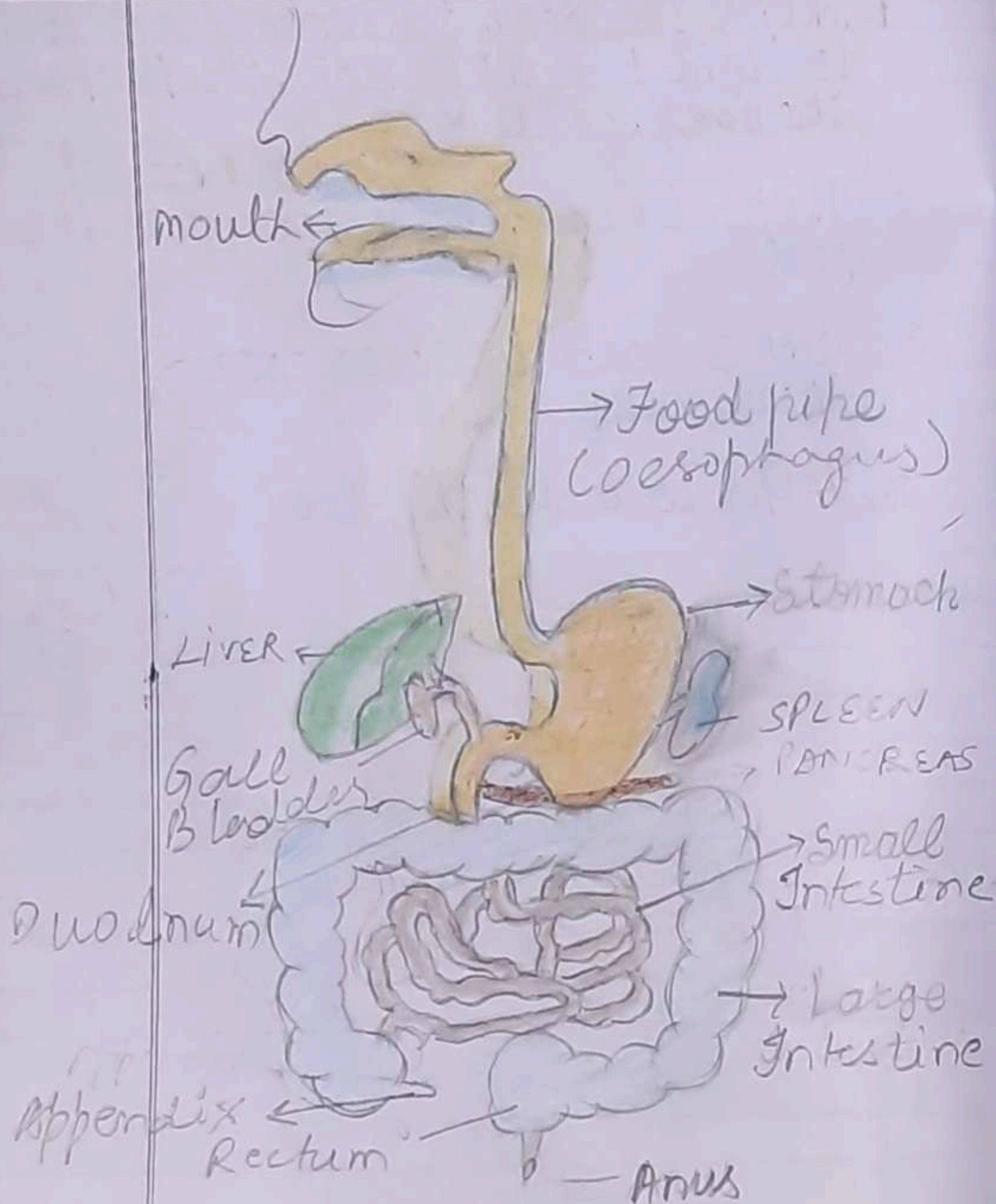
From tasting to digesting.

DIGESTIVE SYSTEM

Many organs work together and form a system, this system helps to digest our food.

Function of spleen in digestive system.

- ① Old red blood cells are recycled in spleen and platelets and white blood cells are stored there.
- ② It acts as a filter for blood as part of the immune system.
- ③ The spleen also helps fight certain kinds of bacteria that cause pneumonia and meningitis.



saturday
4-5-21

From tasting to digesting:

1. Fill in the blanks with appropriate words given in the box.

Salt, sugar, jaggery, lime, junk food, proper food, chew, gulp, glucose, Beaumont, Martin.

- i We should eat food slowly and chew it well.
- ii One should be given a salt and ~~sugar~~ sugar solution when one has loose motion and vomiting.
- iii A glucose drink is given to a patient for instant energy.
- iv Dr Beaumont found that food is digested in a stomach by an acidic juice.
- v The food that is needed for proper growth and development of a child is called proper food.

ques-6 When and why is a glucose drip given?

Ans Glucose drip is given to patients who are very weak. It gives instant energy.

ques-7 Who was Dr Beaumont? What did he find?

Ans Dr Beaumont treated Martin who ~~was~~ has shot in his stomach. He ~~found many~~ did many experiments to find out how food gets digsted and how digestive juices work.

ques-8 Why should we eat proper food?

Ans Proper food is requized for healthy body which includes rice, dals, vegetables and fruits.

ques-9 Does food taste good when you have a cold? Give reason.

Ans No, we do not get any taste when we have cold as our nose is blocked and we don't get the smell of our food.

ques-10 Why do you feel weak when you have an upset stomach and vomiting?

Ans When we vomit and have an upset stomach we are not able to keep any food or water into our stomach, so we feel weak.

ques-11 ~~Write one word~~ Write one word for:

1. The process of breaking down food in simple form which the body can use. Digestion
2. Tiny bumps present on the tongue. Taste buds
3. The liquid in your ^{mouth} that helps in digestion. Saliva
4. A muscular bag in your body that churns the food. Stomach

Food like burger and pizza that make you unhealthy. Junk food

5. Short answers type questions.

Observe the picture and answer the following questions.



i) Dr. Beaumont did an experiment on digestion of food. What did he find in his experiment.

i) There are some digestive juices in our stomach that helps in digestion and these ~~juices~~ juices are acidic.

ii) Our stomach churns the food which helps faster digestion of food.

Ques 12) What happens when one eats the following? ~~food~~

a. Improper food = His body will not get all the nutrients and he will become fat and plabby.

b. Insufficient food = His body will become weak and he will become weak.

What can you say that digestion begins in the mouth?

- Salivary glands present in our mouth secrete saliva.
- Saliva contains digestive juices which helps to breakdown complex ~~car~~ sugars into simple sugars.
- Thus it can be said, the digestion begins in the mouth.

Monday
10-5-21

LESSON 4

classmate

Date
Page

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Mongers around the year.

quest How do we know the food is spoiled?

- Ans-1. The food starts to smell bad.
2. The colour of the food changes. We can see ~~black~~ white, green spots.
3. We can also see some thread like growth over the food.

quest 2 Will your list be the same in all season? What ~~what~~ would change?

Ans During summer season food items spoil faster. During winter season food spoils slowly.

quest 3 When food gets spoiled in your house, what do you do with it?

Ans We throw spoiled food.

12-5-2021

Mangoes around the year

Ques 1 What is food Spoilage?

Ans 1 The condition ~~what~~ when our food becomes unfit for our consumption is called food Spoilage

Food becomes gets spoilt because of the growth of microorganisms in it.

Ques-2 What are the conditions in which microorganisms ~~grow~~ grows?

Ans Presence of air.

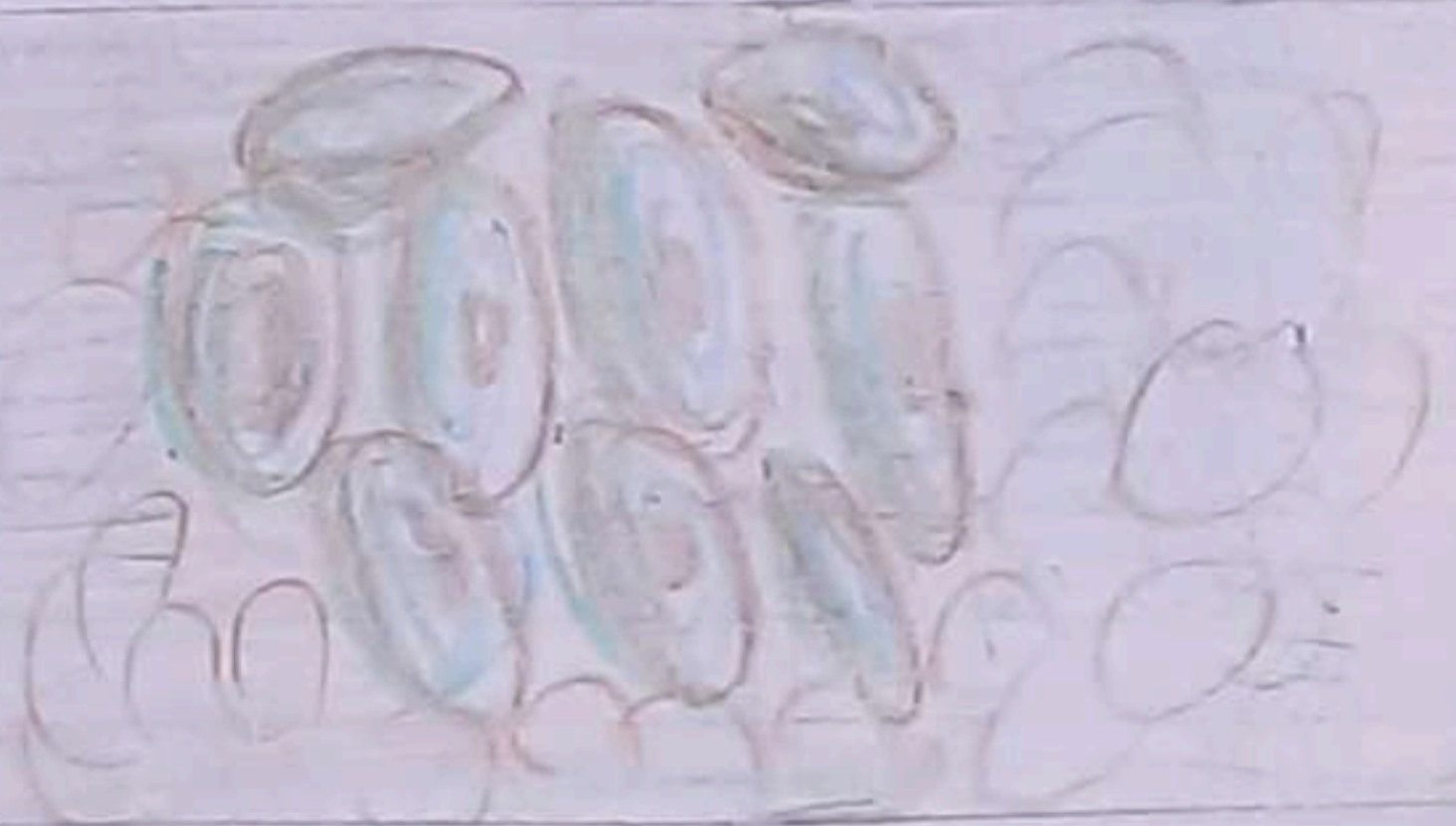
- Microorganisms are present in the air but we cannot see them with our eyes. When they get moist environment and warm temperature they start to grow.

- Presence of moisture (water)
- Presence of warm temperature.

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Ans 1

Ans-1



Wednesday
19-5-2021

ques-3 What we can do to stop food from getting spoilt?

- Ans
1. Remove the moisture!
 2. Remove warm temperature!
 3. Remove the air!
 4. Add food preservatives!

ques 4 What are food Preservatives?

Ans Food preservatives prevents the growth of microorganisms and slow down the process of food spoilage.

ques 5 What are microorganisms?

Ans Very small living creature that we can see only under a microscope.

Types of microorganisms

Bacteria

Fungi

Virus

Algae



'Mangoes Round the Year'

ans 1= Fill in the blanks with appropriate words given in the box

Dust, Muslin, green coriander, cooked, etc.
Onion, drying, sweetening and
salting, Jullu, Straws, Mangoes, Pipe,
Unripe, Sugar, Fridge/Refrigerator.

(i) Milk can be kept fresh by boiling it.

(ii) Onion can be kept fresh by peeling it in a dry open place.

(iii) Mamidi tandra is prepared from ripe mangoes.

(iv) Jullu can be strained using Muslin cloth to remove the fiber.

(v) Fruits and vegetables in the home can be preserved by keeping them in the fridge.

(vi) Making jam in a way of preserving the fruits by adding sugar

ques 2. Multiple Choice Questions (MCQs)

i In which season does the food get spoiled easily?

ans a - Winter c - Monsoon
b - Summer ✓ d - Spring

ii What appears on moist bread when it is kept for few days?

ans a - Bacteria c - Fungus ✓
b - Virus d - Algae

iii Which of the following can be kept fresh by putting in a bowl which is kept in a container with some water?

ans a - Milk
b - Cooked rice ✓
c - Green coriander
d - Mangoes

iv Which of the following can be kept fresh by wrapping it in a damp cloth?

ans a - Cooked rice
b - Green coriander ✓
c - Onion, garlic
d - All of these

✓ How many weeks does it take to Mamidi tender?

ans a - 2
b - 4 ✓
c - 6
d - 8

Very Short Answer Type question

ques 3 Food can be preserved by several methods given below. Give one example of each that can be preserved in the following ways.

i	Drying	Fish	Freezing	Meat
ii	Boiling	Milk	By adding preservatives	Chips
	Baking	Onion		

Sweetening and salting - Fruits and Vegetables.

Ques 4 What is the other names of Mamidi tandra?

Ans Amr Papad

Short Answer Type Question
5 Answer the question briefly

Ques i How do we know that food has got spoiled?

Ans The colour of ^{food} will change, it will smell bad and we will ^{be} able to see some fungus growing on it.

ii What happens if a person eats spoiled food?

Ans He will fall sick

Ques iii Why are glass jars and bottles dried well in the sun before filling them with pickles?

Ans To remove the moisture from the jars as moisture allows the microorganisms to grow in it.

iv What do you mean by preservation of food?

Ans Keeping the food safe for a long term (time) use without getting spoiled.

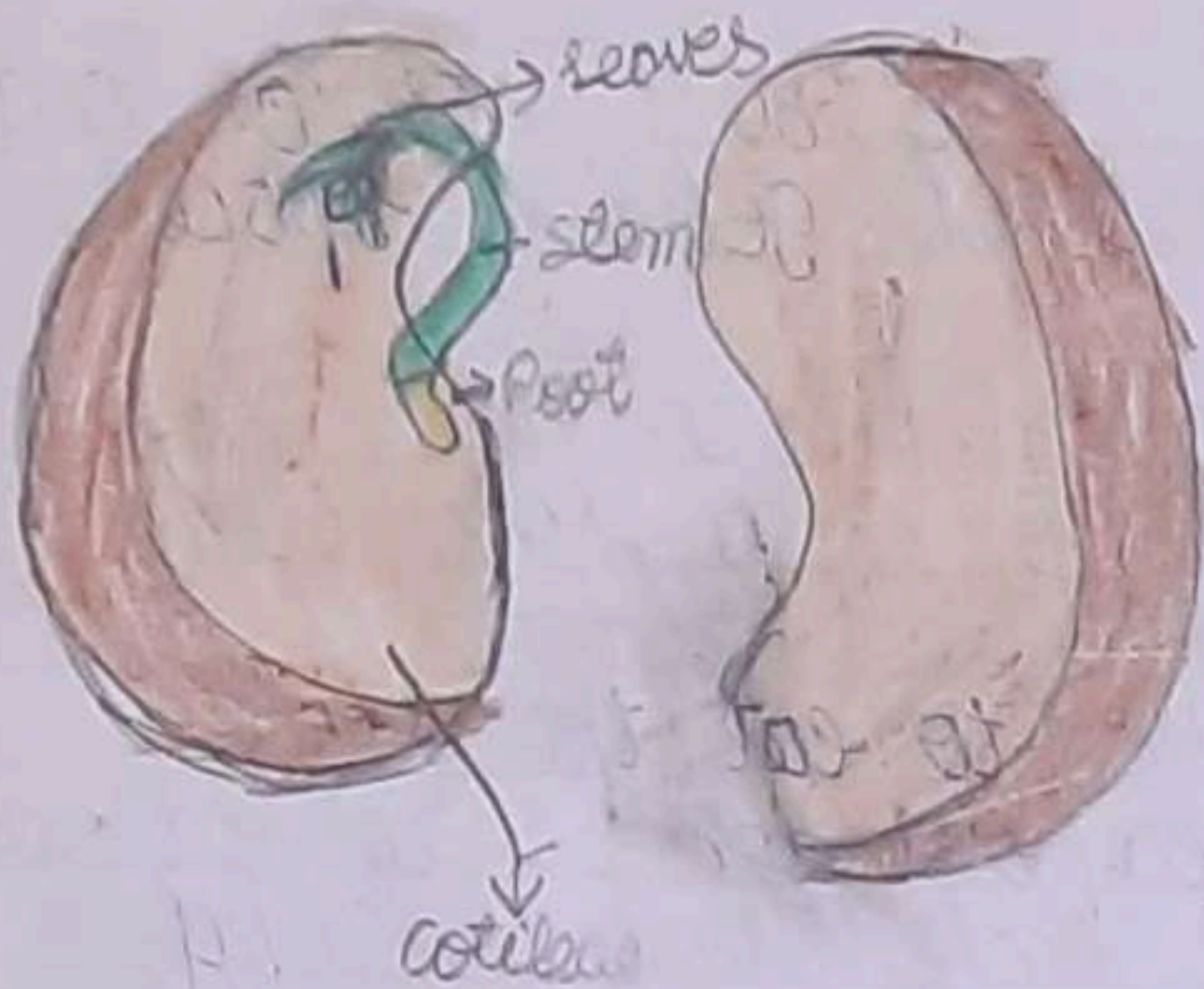
9 Why is it important to read the date of expiry of a food item before buying any thing?

Ans It is unsafe to eat the food item whose expiry date is lapsed/over we will fall sick. That is why we should read the expiry date before buying anything.

LESSON-5

Wednesday
26-5-2021

Seeds and Seeds (5)



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Monday
24-5-2021

classmate
Date - 5/5
Page - 51

Seeds and Seeds (5)

Discuss

ques-1 What things are soaked before cooking your house? Why?

Ans Following things are soaked before cooking: Chana, Moong, dry pea, Rajma, Soyabean, Pulses, Rice etc.

These things become soft after soaking. This makes it easier to grind them and to cook them. This helps in saving time and energy.

ques-2 What things do you eat after sprouting? How are they sprouted? How much time does it take?

Ans We eat chana, Moong, etc after sprouting. They are soaked in water overnight. Then the water is drained out and they are kept in basket or suspended in a cloth so that they can get air. Chana takes about 36-48 hours to sprout, while moong takes about 24-36 hours to sprout.

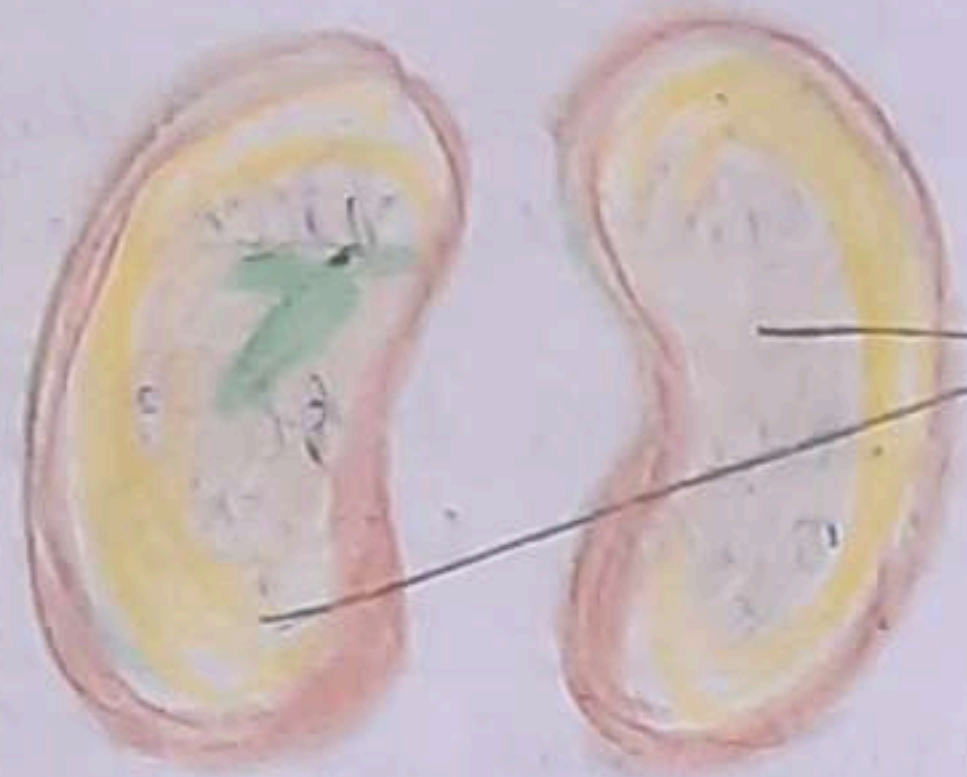
Thursday
24-6-2021

ques-3

Has the doctor or someone you know ever told you to eat sprouts? Why?

Ans

Doctor has advised me to eat sprouts because they are very nutritious.



Two cotyledons in a seed called -
(Di-cotyledon)



Dicotyledons

Seeds and Sprouts

ques- Fill in the blanks with appropriate words given in the box.

Air, water, warmth, space, light, cooling, heating, George Mestral, bursting, sprout, sprouted, web, pods, seeds, fruits, Europe, South America

- (1) Eating sprouted seeds is good for health.
- (2) Seed require air, water and warmth to sprout.
- (3) Velcro was discovered by George Mestral.
- (4) Soyabean seeds are scattered by bursting of their pod.
- (5) Peas come from Europe.

Ques 2 Write 'T' for true and 'F' for false statements

1. Seeds are of different shapes, size colour and textures. True
2. Some plants may grow without seeds. True
3. Dispersal of seed is essential so that the baby plant gets enough space, air and light. True
4. Tomatoes and green chillies come from South America. True.

Ques 3 Multiple Choice Questions (MCQ)

- a) Which of the following is not a seed?
 - Chana
 - Rajma
 - Achar dal
 - Jammu ✓
- b) Which of the following is not necessary for a seed to grow?
 - Fertiliser ✓
 - Air

- water - warmth

c) Which of the following is not an agent of dispersal?

- Animals - Plants ✓
- Water - Wind

d) Seed of coconut plant are dispersed by?

- Wind - Water ✓
- Animals - Bursting

Ques 4 Give an example for each of the following categories.

- Seeds used as spices - Cumin
- Seeds used as food grain - Rice
- Seeds used as pulses - Achar dal
- Seeds which are scatter by bursting of the pod - Pea
- Seeds that scatter by sticking on fur of animal - Burdock seeds
- Seeds that scatter by wind - Dandelion
- Seeds that scatter by water - Coconut

DANDELION

Ques 5 Classify the plants according to the place of their origin.

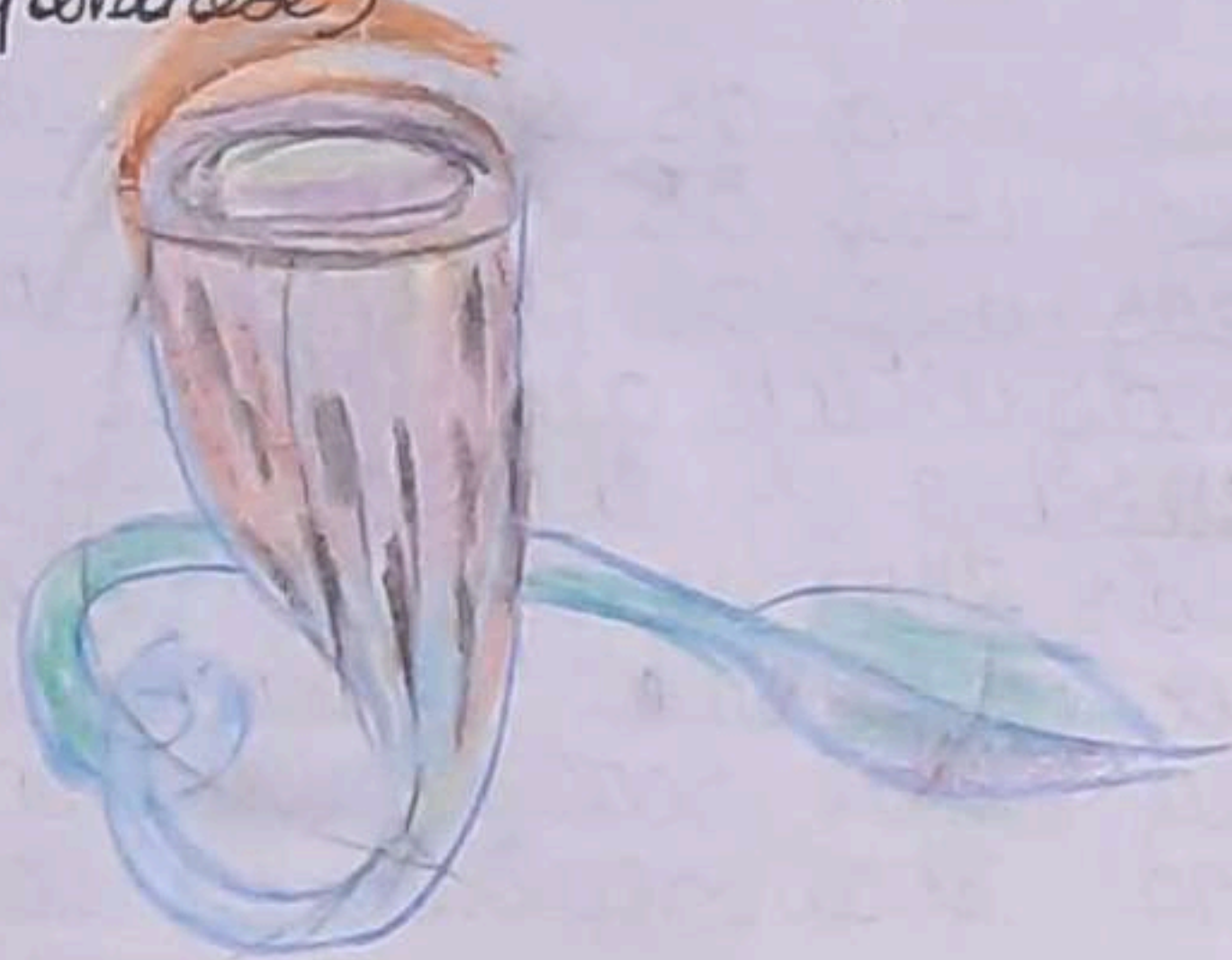
Spinach, Tomato, Pea, Cabbage, Potato, Methi, Coffee, Green chillies, Radish, Lady finger.

India - Methi, Spinach,
Europe - Cabbage, Pea

Africa - Coffee, Lady finger

South America - Tomato, Potato,
Green chilli

Ques 6 Draw the picture of pitcher plant (Nepenthes)



Ques 7 What things do you eat after sprouting? How are they sprouted?

Ans We eat whole grains like, horse gram, green gram, chick pea etc after sprouting.

They are sprouted by

1. Soaking overnight
2. Hanging them tied in wet cloth.

Ques 8 Why should we eat sprouts?

Ans We should eat sprouts as they are packed with vitamins and minerals and they provide many health benefits.

Ques 9 How do seeds spread to far off places?

Ans Seeds spread to far off places by following ways:

- Air
- Water
- Birds
- Animals
- Humans for farming

Ques 5 Classify the plants according to the place of their origin.

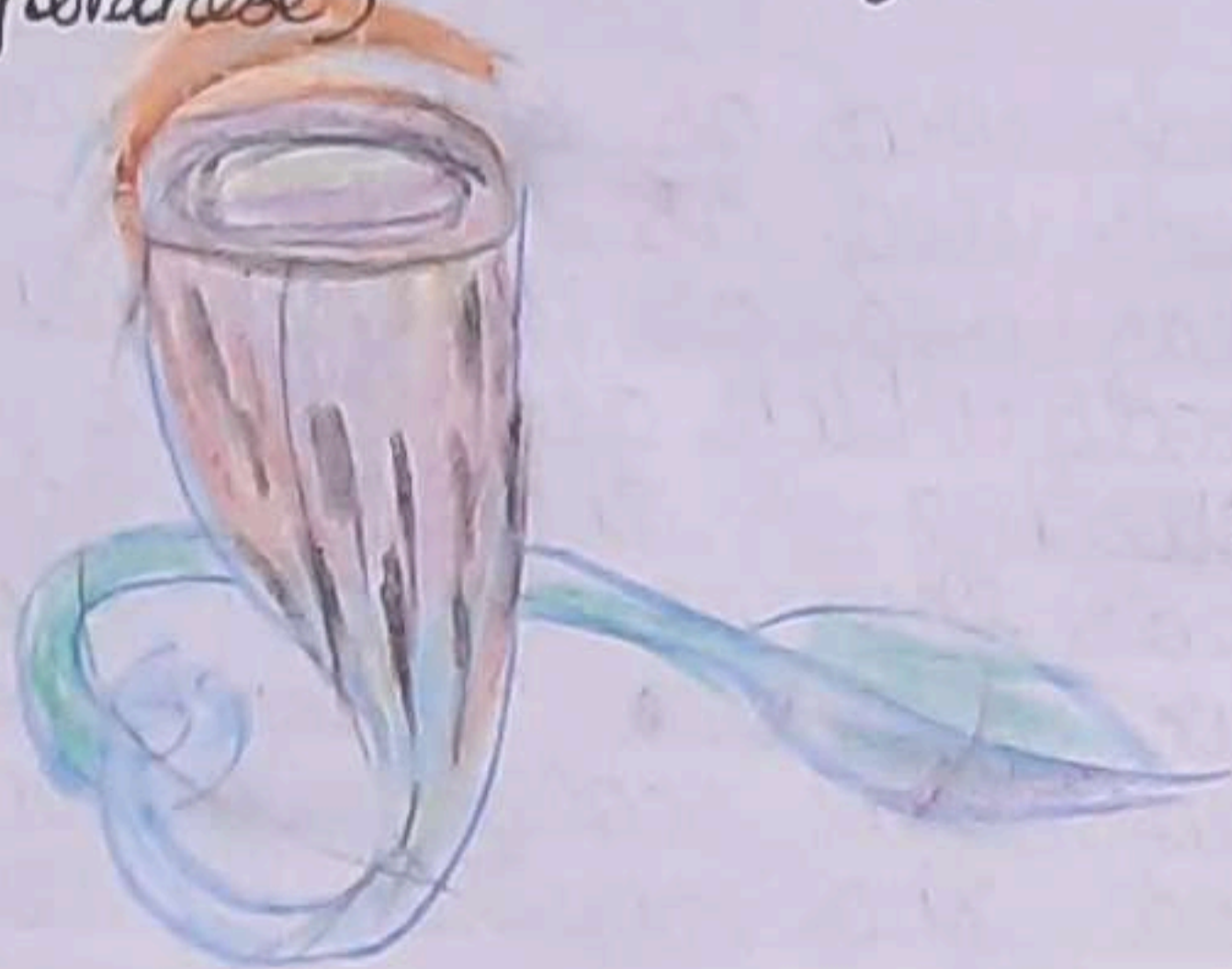
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India - Methi, Spinach,
Europe - Cabbage, Pea

Africa - Coffee, Lady finger

South America - Tomato, Potato,
Green Chilli

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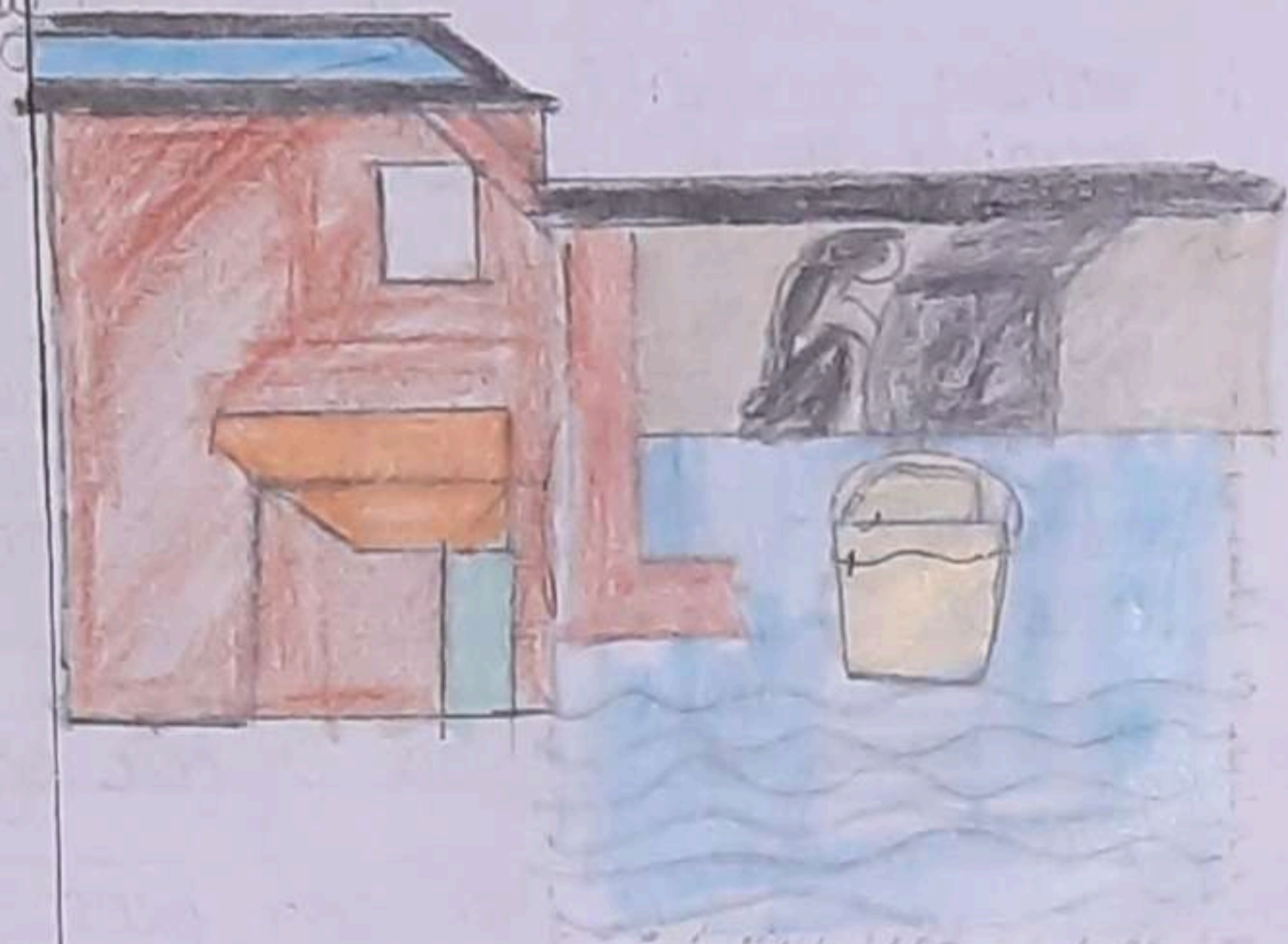
Ques 9 How do seeds spread to far off places?

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- Air
- Water
- Birds
- Animals
- Humans for farming

ques 10
ans

How does the soyabean seeds spread;
When the soyabean pods are ripe;
they burst and seeds are thrown
out.

28/6/21
Monday

2/6/21

Friday

LESSON 6
Every drop count

classmate

Date 59

Page

MCQ (Multiple choice question)

1) Rain water can be stored in the
~~underground~~ tank. The technique
is known as-

- Rain water harvesting ✓
- Petroleum
- Poultry
- Aquarium.

Ans - Rain water harvesting

2) Al-Biruni came from -

- Uzbekistan ✓
- Kazakhstan
- Pakistan
- Afghanistan

Ans - Uzbekistan

3) Baradi is another name of -

- Pond
- Step well ✓
- Lake
- Well

Ans - Step well.

4) Which festival is related to water

- Baisakhi
- Id
- Diwali
- Kumbh mela ✓

Ans - Kumbh mela

5) Which of the arrangements was based on rain water collection?

- Mashak
- Step well ✓
- Piau
- None of these

Ans - Step well

6) What percentage of earth surface is covered by water?

- 71% ✓
- 81%
- 91%
- 61%

Ans - 71%

7) Who build Gadsisar lake?

- King Macho Singh
- King Jai Singh
- None of these
- King Ghadse ✓

Ans King Ghadse

8) _____ is the purest source of natural water.

- Well
- Lake
- River
- Rain ✓

Ans - Rain

10) How many interconnected lakes were there in Gadsisar lake?

- 7
- 5
- 9 ✓
- 3

Ans - 9

62

3/7/21

Saturday

Every drop count

Ques 1 What is khadseer?

Ans Khadseer is a group of 9 lakes built by King Khadsi of Jaisalmer about 650 years ago.

Ques 2 Who was Al-Biruni? How are his ~~works~~ writings helpful to us?

Ans Al-Biruni was a traveller from Uzbekistan more than 1000 years ago. His writings are helpful to us in knowing about the water conservation techniques in ancient India.

Ques 3 What are the 2 different ways of water storage in older days?

Ans 2 ways of water storage in the older days are:

- Making lakes
- Stepwells

Ques 4 What is stepwell (baradi)?

Ans Stepwell is a multi-story well storey

in ^{which} water is reached by descending set of steps.

Ques 5 Some people put a pump directly in Jal board pipeline. What problem would other people face due to this?

Ans Other people do not get water due to this.

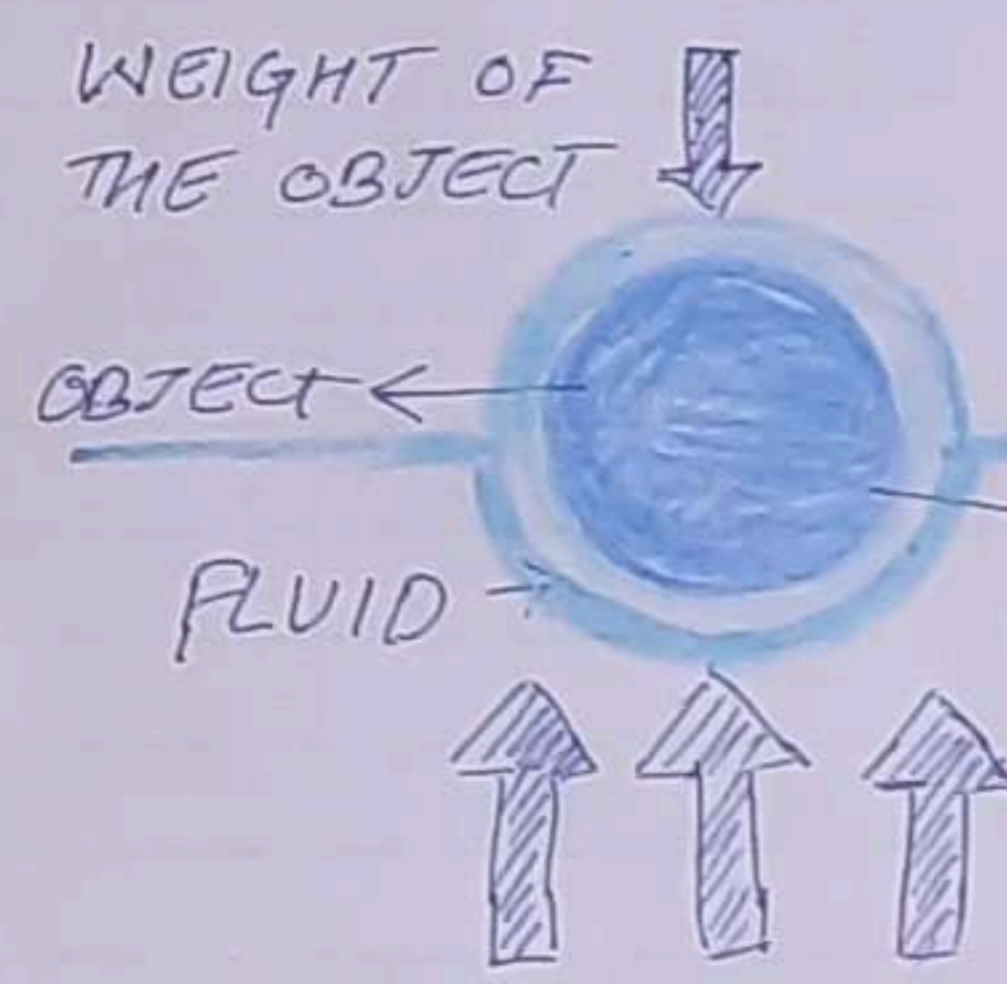
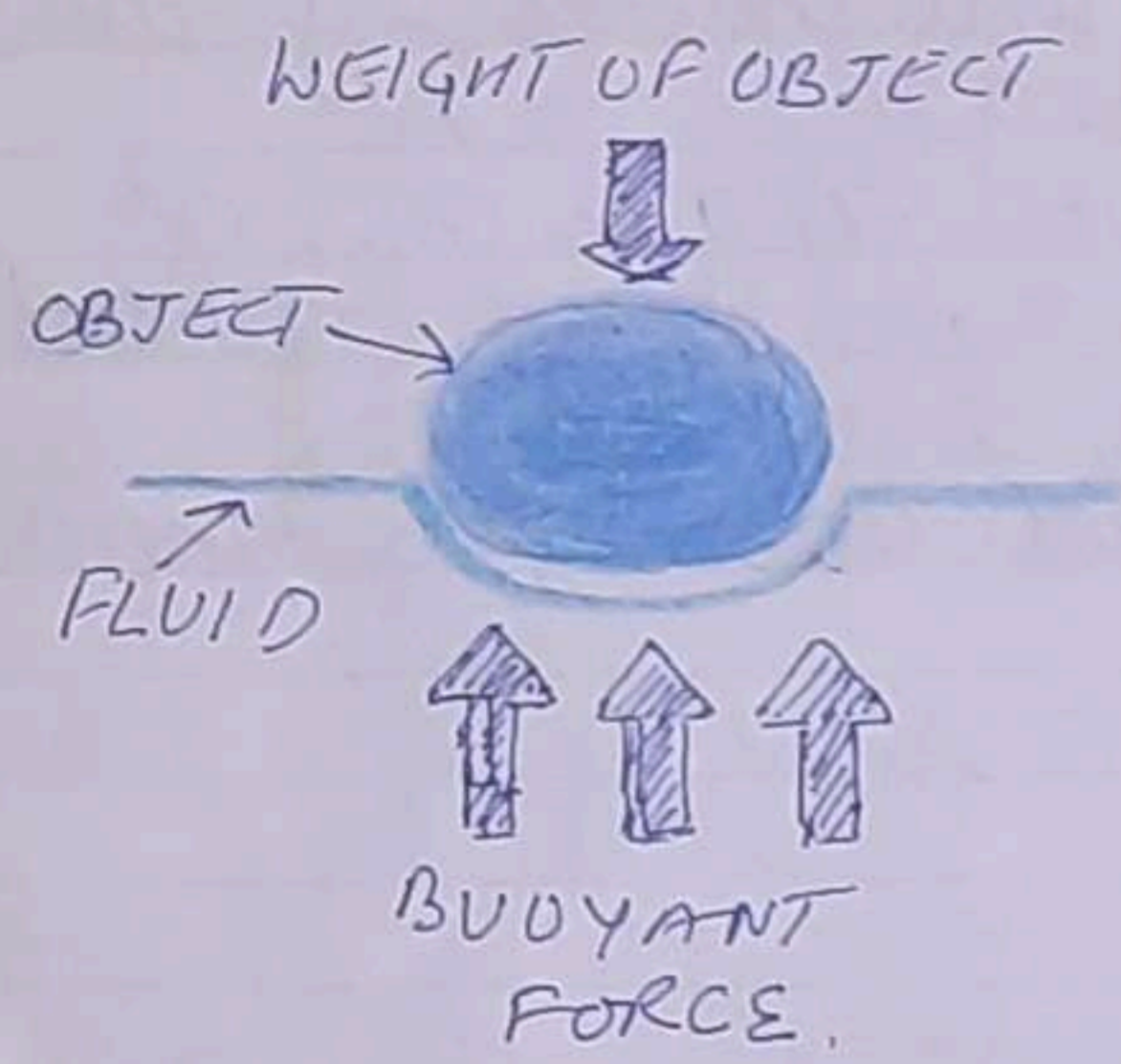
Ques 6 List the different ways by which people manage their water needs.

Ans People manage their water needs in the following different ways.

- Water supply from a jal board on houses all day long.
- From jal board water tankers.
- From hand pumps.
- From borewells.
- From nearby canals.

Ques 7 What do you understand by rain water harvesting?

Ans Rain water harvesting is one of the most commonly used method to save water. It refers to storing of rainwater for various uses.



HOW DO WE KNOW WHEN AN OBJECT WILL FLOAT OR SINK?

अपनी जगह से हटा हुआ पानी

7/7/21
Wed

This happens because of Buoyancy force.

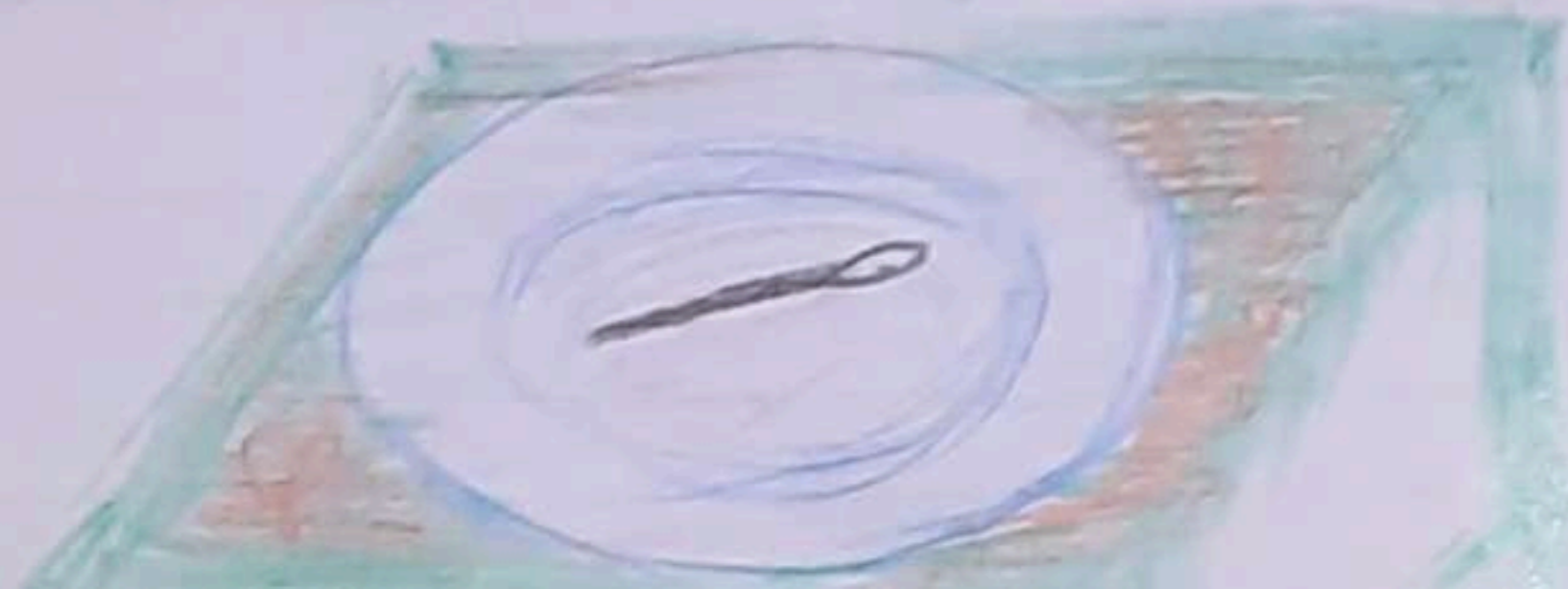
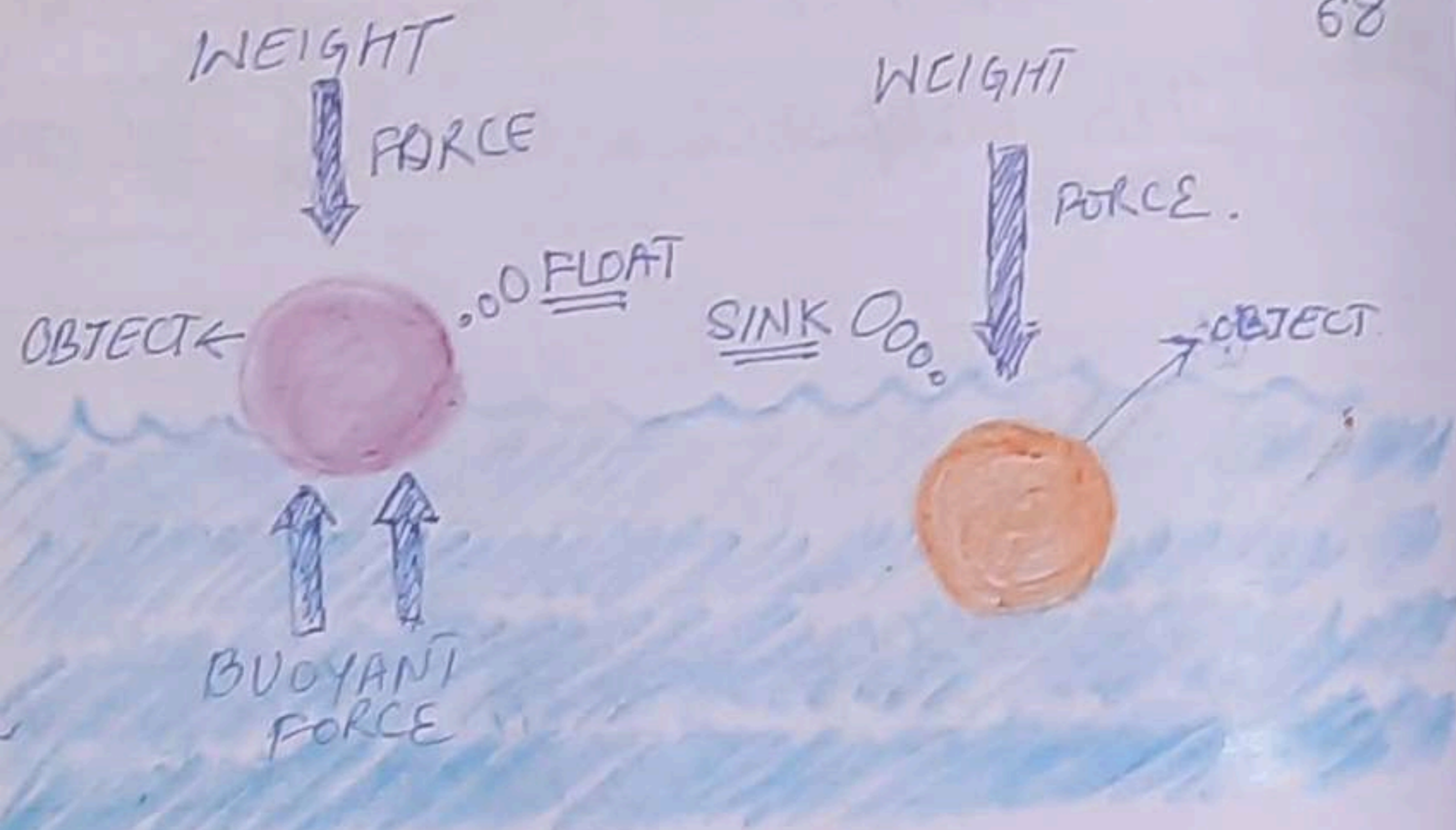
Buoyancy is the upward force exerted by a liquid to oppose the weight of an immersed object.

When weight of the object $>$ weight of the displaced water = Object will sink

When weight of the object $<$ weight of the displaced water = Object will float

When weight of an object is more than the buoyant force, the object will sink

When weight of an object is less than the buoyant force, the object will float.



• Floating and sinking of an object also depends on the area of the object.

• When area of the object is more buoyant force exerted by the liquid will be more and object will float.

- Like a heavy ship floats.
- But the needle sinks.

Because the area of the ~~needle~~ needle is small and weight of the needle is more than the buoyant force exerted by the liquid.

24-7-21

Saturday

Experiments with water

Ques 1) A lemon sinks in a glass of plain water but floats on adding salt in water. Why?

Ans A lemon sinks in a glass of plain water but floats on adding salt in the water because water becomes more thicker or dense on adding salt.

Ques 2) Why does a person float in dead sea, even after he does not know how to swim?

Ans A person floats in the dead sea, even after he does not know how to swim because dead sea is a saltiest of all.

Ques 3) How is the salt made?

Ans The sea water is collected in shallow beds dug in sand. Water is allowed to dry in the sun. Salt remains on the ground after water is dried or

evaporated.

Ques 4) You have been given some mishti pieces (clumps of sugar). Suggest some ways to dissolve them quickly?

Ans Some ways to dissolve mishti quickly in water are as follows:

- Crush mishti pieces into fine powder.
- Put in water and stir water continuously.
- Warm the mixture over flame.

Ques 5) Do you think oil gets dissolved in the water? Why do you think so?

Ans No, the oil does not get dissolved in water. Oil always floats on water. This happens because oil is less thick or denser than water and oil and water never mix with each other.

Ques 6) Why did Mahatma Gandhi undertake Dandi March?

Ans Mahatma Gandhi undertook Dandi March from Ahmedabad

to Dandi seashore in Gujarat in 1930 to break the salt law made by Britishers

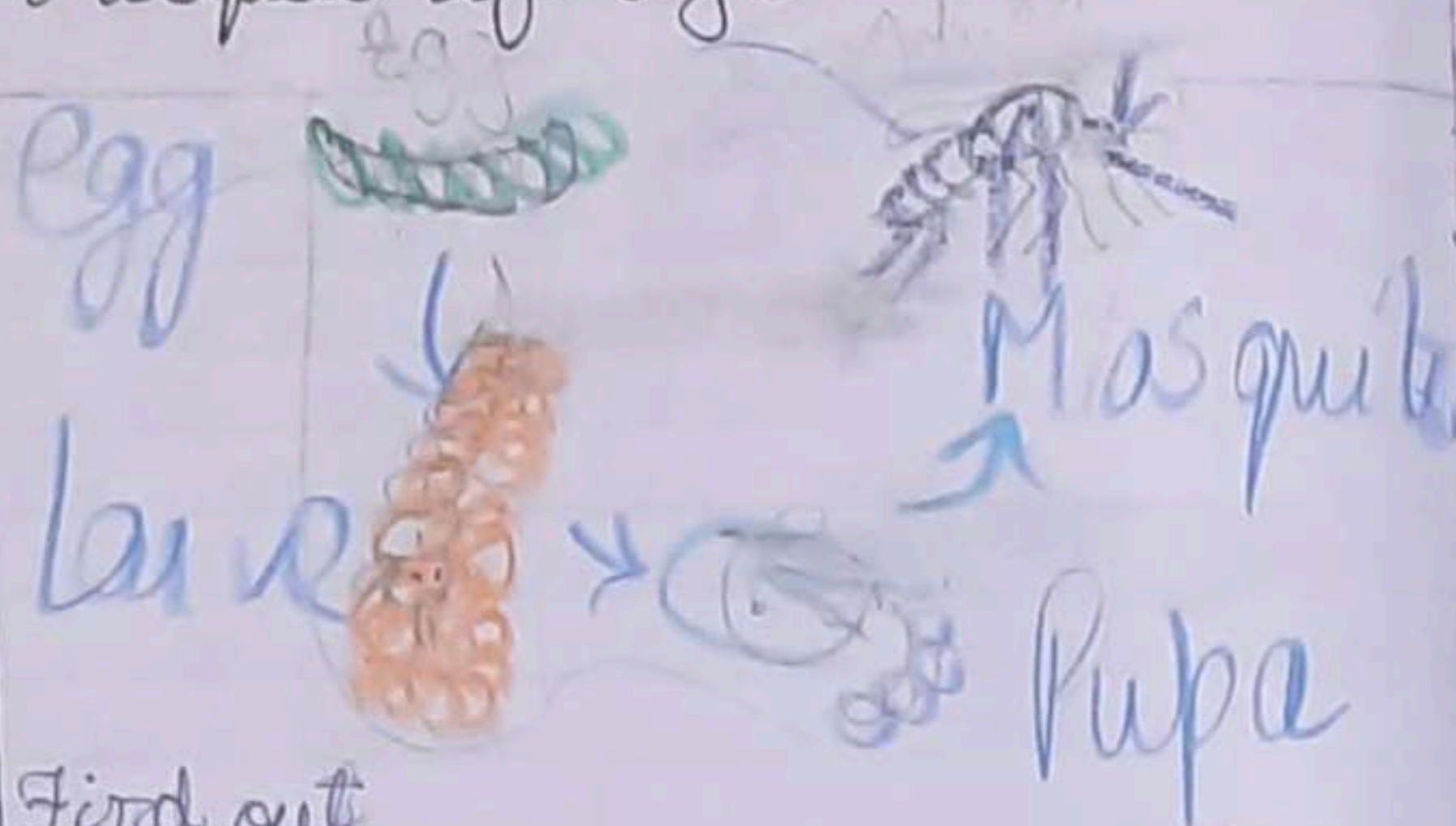
A treat of mosquito

29-7-21
Thursday

LESSON 8

74

Mosquito life style



Find out

→ Do you know anyone who has had malaria?

Ans Yes, one of my friend ~~was~~ once suffered from malaria.

→ How did they find out that they had malaria?

Ans ~~It~~ It was found by blood test.

→ What problems did they have on having malaria?

Ans My friend suffered from high fever. The fever came with bouts of shivering. He became very weak.

classmate

Date 75
Page 75

→ What other diseases can be caused by mosquito bites?

- a) Dengue
- b) Chikungunya
- c) Filaria

→ ~~Ans~~ Which season is malaria more common? Why do you think ~~say~~ this happens?

Ans Malaria is more common in rainy season. Mosquitoes get suitable environment to breed during the rainy season and hence there are more cases of malaria.

→ What do you do in your house to protect yourself from mosquitoes? Also find out from your friends about what they do:

a) Mosquito repellants (they come in oils, liquids and mats)

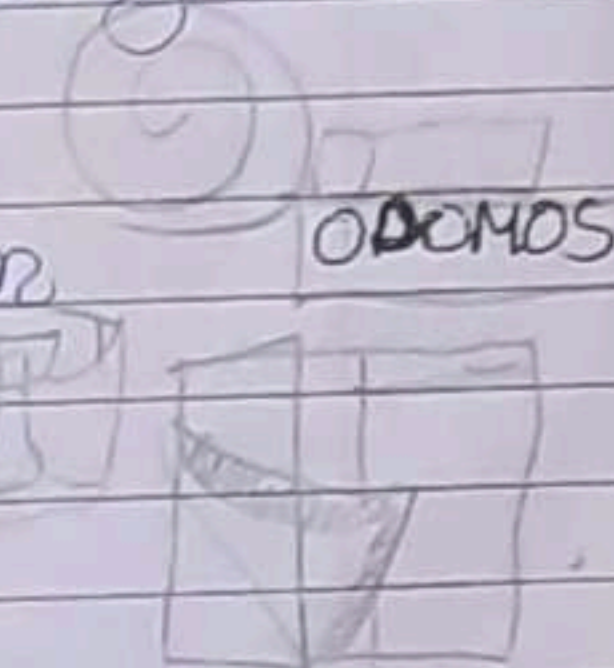
b) Mosquito repellent cream

d) Wire mesh on window

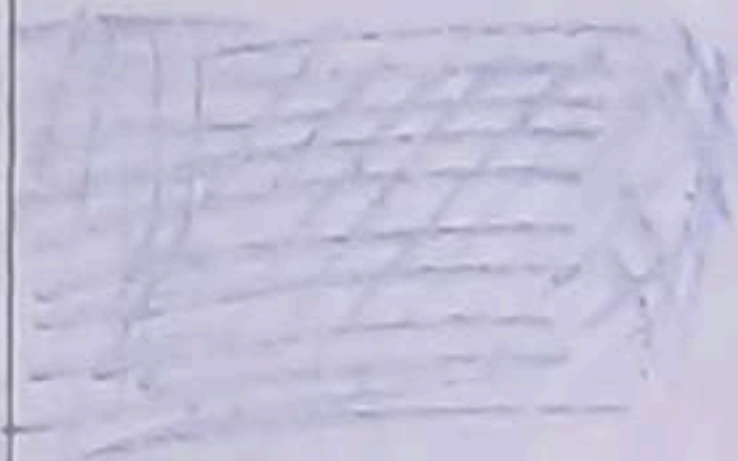
e) Mosquito net.

e) Keeping the surroundings clean

f) Removing stagnant water from the house



- e) Keeping the surroundings clean
 f) Removing stagnant water from the surroundings



Tuesday
 30-21

A TREAT FOR MOSQUITO

Nutrients present in our food. Nutrients mixes with our BLOOD to make us healthy

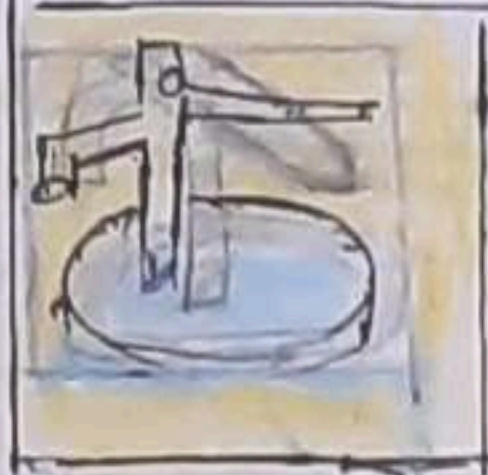
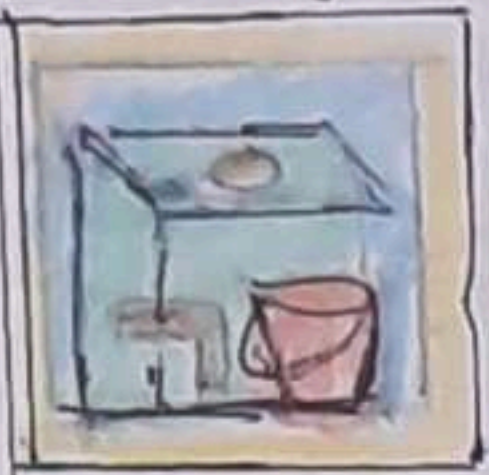
- Carbohydrates
- Proteins (Proteins)
- Fats
- Vitamins
- Minerals (Iron, iodine, magnesium)

Deficiency disease - Anemia

कमी से बीमारी - रक्त में आयरन की कमी से अनीमिया होता है।

What we should do when we are suffering from ANAEMIA!

- Eat lots of green leafy vegetable like spinach, methi etc.
- Eat jaggery which is rich in iron.



Are you inviting
mosquitoes?

They Spread Malaria, Dengue and
Chikungunya!

- ✂ Don't let water collect around your house. Fill up the pits.
- ✂ Keep the water pots, coolers and tanks clean. They should be dried every week.
- ✂ Use ~~protect~~ mosquito nets to protect yourself.
- ✂ Spray ~~herosean~~ if water has collected at some place

Tuesday
17-8-21

A treat for Mosquitoes

Fill in the blanks with appropriate words given in the box.

Ronald Ross, Beaumont, algae, fungus, flu, dengue fever, malaria, chikungunya, caterpillars, anopheles, larval, flies

Malaria is spread by female mosquito known as anopheles.

Mosquito spread diseases like malaria and chikungunya.

The green growth around the stagnant water is made up of algae.

Apart from mosquitoes, flies also spread many diseases.

Dr Ronald Ross found that mosquitoes spread malaria.

Anopheles - female Mosquito.

Ques 2) Write T for true and F for false

- ① Malaria is spread by one kind of mosquito - True
- ② Blood for testing malaria is taken from the place where mosquito has bitten. False
- ③ Children suffering from anaemia do not grow well and their energy level is low - True
- ④ In municipal corporation schools, health check-ups are done and health cards are made for children - True
- ⑤ Mosquito breed in stagnant water. True
- ⑥ Mosquito lay eggs in water only. True
- ⑦ Fishes eat the mosquitoes larvae present in water - True

⑧ Flies also bite like mosquito - False

⑨ The word 'Malaria' means bad air. True

Ques 3) Give the reason.

a) It is advised not to eat out or uncovered food.

Usually houseflies come and sit over uncovered food, making the food dirty. That is why we should not eat, out or uncovered food.

b) We should put kerosene oil in fountains, water cooler, etc (where there is stagnant water)

Kerosene oil floats on top of water and thus mosquitoes are not able to reach the water and lay eggs.

Ques 4) Short answer type questions.

a) What is anaemia? (deficiency)

Ans Anaemia is a deficiency disease caused by deficiency of iron in our body.

Ques 5) Long answers type questions.

1) List some activities in and around your house which you can perform to prevent diseases like Malaria, Dengue and Chikungunya.

Ans

- Keep surroundings clean. Do not let water to get collected anywhere.
- Pour kerosene oil into open drains.
- Use mosquito net, coils, creams etc.

2) What ^{are} larvae? What do they look like and how do they spread disease?

Ans Larvae are baby mosquitoes. They are thread like grey coloured creature. They grow up to become an adult mosquito and spread diseases.

3) Why people are advised to leave the stagnant water immediately?

Ans Mosquitoes lay eggs in stagnant water and spread diseases like dengue, Malaria, ~~chikungunya~~ chikungunya etc. Stagnant

Tuesday

Date - 7/9/21

LESSON 9

Ques 1) Fill in the blanks with appropriate words given in the box.

blisters, bleeding, Mizo, Tamil, Telugu, Skates, sticks, Pegs, nails, Hooks, women, children, 45° , 90° , Bakhendri Pal, Sangeta, Tomatoes, Cucumber, 2nd, 5th, 3000, 3348

Sangeta had blisters on her feet.

Bakhendri spoke only Mizo language

The rope was tightly fixed to pegs on both sides of the river.

Body should be kept at an angle of 90° while climbing a rock.

Bachhendri plucked two cucumbers from the field.

Mountaineers walk on snow with the help of sticks.

On the last day of the camp 'Best Performance Award' was given to Sangeeta Mam.

Bachhendri pal became the first Indian woman and the 5th woman in the world to reach Mount Everest.

The height of Mount Everest is 8844 mts (8 thousand 8 hundred and 44) ^{eight} ^{four} ^{metres}.

Answer the following questions in brief.

Ques 1, What did Sangeeta Arora decide to do when she saw blisters on her feet on the second day of her camping? How did

Brigadier Iyran Singh reach to her problems?

Ans She decided not to go on 2nd day's trek but Brigadier Iyran Singh said it was not nothing serious problems.

Ques 2, What do mountaineers use for their safety?

Ans They use pitons to anchor on the mountains, thick ropes to climb and slings to tie their waist with the ropes.

Ques 3, What is rappelling?

Ans Rappelling is a special way to coming down from a mountain.

Ques 4, How did Sangeeta mam meet Bachhendri pal?

Ans Bachhendri pal came to seek blessing from Brigadier Iyran Singh before going

90

to climb the Mount Everest, that was the time when Madam Sangeeta met her.

Ques 5, What programme was there on the last day of camp?
Ans They had arranged a camp fire to sing and dance on the last day of camp.

Ques 6, Why did Bachhendri pal put Indian flag on the peak?
Ans This was done to give honor and respect to our country.

Ques 7, What are the responsibilities of a group leader in mountaineering?

Ans To help others who are not able to walk, take care of group members, to arrange for food, search a proper place to stop and rest etc. etc.

Ques 8, How were Sangeeta and Khondor left behind from their group? How did they meet their group again?

Ans They were stuck after being caught for plucking cucumbers from the fields and were left behind. They sang loudly and flashed their torches and were rescued by others.

Ques 9, Make a list of things that mountaineers keep in their rucksack.

Ans	Tent	Torch	Slings
	Food packets	Matchbox	Binoculars
	Thick ropes	First-aid	Pegs or pitons.
	Sunglass		
	Compass		
	Boots		
	Crampons		

Think, Find and write

(Find out)

Ques 10, The highest peak in the world, its height and located in which country?

Ans Mount Everest, 8848 meters high, situated in Nepal-China border.

Ques 11, The highest peak in India, its height and located in which state?

Ans Kangchenjunga or K2 situated in Sikkim, 8586 meters high.

Ques 12, The first man to climb mount Everest.
Ans Edmund Hillary from New Zealand and Tenzing Norgay from Nepal were first to climb Mount Everest.

Ques 13, The name of 2 mountaineering institutions in India.

Ans The Nehru Institute of mountaineering, Uttarakashi.

2, Himalayan mountaineering institute, Darjeeling - west Bengal.

LESSON 10

94

Date- 9-9-21

Date-

Ques 1, Why were bastions made in the fort wall?

Ans) Bastions were made in the fort wall to ensure security of the fort.

Ques 2, Why are big holes made in them?

Ans) Big holes made in fort wall to increase the viewing area thus soldiers could look through these holes and could keep better vigilance.

Ques 3, What difference would be there if you were to look from a straight flat wall or a bastions at a right? How would the soldiers find peeping from the holes in the bastions useful while attacking?

Ans) Bastions are made in a fort in such a way that soldiers can easily peep from the holes and it provides better vantage point where a large area could be

be seen. It would not be possible from a flat wall.

Ques 4, How would the fountains have worked?

Ans Fountains would have got water supply from a large tanks.

Ques 5, What arrangements would have been made in the building for air and light?

Ans Large windows, doors and ventilators would have been made in the building for air and light.

Ques 6, Look carefully at the picture of the beautiful carving. What kind of tools would have been used for such carving?



Ans) These carvings would have made using chisel and hammer which were made up of iron.

Ques 7, We still do not have any electricity at many places in our country. Even at places which have electricity, imagine what would happen if there was no electricity for one week. ~~What~~ What are the things that would be difficult to manage without it?

Ans If there is no electricity in our place we could not use electrical appliances such as computer, mixer, television etc. In other ~~way~~ words life will become stand-still.

Fill in the blanks with appropriate words given in the box.

Moti Darwaza	Harmless	Nuclear
Fateh Darwaza	Atomic	Clay
Mud	Mughal	Autonomous
Autulshahi	carvings	paintings

Autulshahi Sultans lived in
Golconda from 1518-1687

Guns and cannons were used
in the past. These days many
countries have nuclear bombs.
Nuclear.

Clay pipes were used to carry
water to different places in the
palace.

There are beautiful carvings on
the walls of Golconda fort

Ques 2, Write T for true and F for false statement

- (1) In the year 1200AD, the Golconda fort was made of Bricks = F
- (2) People like farmers and workers also lived in Golconda fort = T
- (3) Golconda fort has 4 floors = F
- (4) A long deep ditch (pit) was made along the Golconda fort walls. = T
- (5) In the fort, a thousand years ago, tribal ~~years~~ a people were able to extract copper and tin from the mines = T

Ques 3, M.C.Q = Multiple choice questions.

- 1) ~~How~~ How many bastions are there in Golconda fort?
87
- 2) Which emperor's cannon is kept in Golconda fort?
Aurangzeb
- 3) The gun placed in Golconda Fort was made of -
Bronze
- 4) ~~For~~ For how long did Aurangzeb's army camp outside of Golconda Fort to capture it?
8 months
- 5) Where is Golconda fort?
Hyderabad

Ques 4)

Give reasons:-

1) Bastions were even higher than the fort walls.

Bastions were made at a great height so that soldiers could get a large viewing area.

2) Aurangzeb's army could not get into the Golconda fort.

Aurangzeb's army could not enter the Golconda fort because of its:-

- 1, Thick walls
- 2, Deep ditch around the fort walls.
- 3, Vigilant soldiers watching from the bastions.

Soldiers.

Ques 4) Short answers type questions.

1) How did the emperors and kings in earlier times make smaller kingdoms a part of their own kingdom?

Ans Few reasons of this are:-

- 1, By friendship

- II 2 By flattery. (By Flattery)
- III 3 By marriage.
- IV By attacking on other kingdoms.

Ques 1) What are bastions? Why holes are made in bastions?

Ans) Bastions are the part of a wall that comes out in a round shape.

11 How was the water lifted to big tanks and fountains on the roof?

Ans) Few pairs of this are:-

- 1 with the help of drum
- 2 Footed wheels and poles
- 3 The water was carried up from water reservoir and send to fountain and big tank through clay pipelines.

111 What were the arrangements of light and air in Golconda Fort?

Ans Ventilators were made high up on the walls for light and air.

Q. Which things were found when the place around Golconda was dug?

Ans. People found:-

i) Bronze items, ii)

iii) Pots

iv) Jewellery

v) Swords etc were found when the place around the Golconda was dug.

Ques 5) Long answers type questions

Answer the following in 40-50 words

- i Describe about the intelligent architecture of Golconda fort.
 - Golconda fort was built on top of hill so that ~~and~~ soldiers could see a large area
 - Deep ditch was dug around fort walls.
 - There was thick fort walls with 87 bastions and strong iron gates

It is important to have a museum (Give reason)

It is through the things kept in museum that we come to know about how people of those times lived, what they use and what things they made



LESSON 11
SUNITA
IN SPACE

Tuesday
Date - 21/9/21

classmate

Date
Page 107

Ques, Who was Sunita? (An astronaut)
Ans JUNE 22, 2007 - 9 December 2006

She was the second American astronaut of Indian heritage to go into space, after Kalpana Chawla, who died in the Columbia disaster.

Ques, What is astronaut?
Ans An astronaut is a person who goes in the space to learn about space, planets and heavenly body. (heavenly)

② (What do you think?)

Ques, If the earth is round like a globe, so how is possible for us to not fall?

Ans The gravitational ~~force~~ force of the earth attracts everything towards itself. That is why we do not fall.

पृथ्वी का गुरुत्वाकर्षण बल हर चीज

की अपनी ओर खींचता है।

Ques 2, Do the people in Argentina stand upside down?

Ans) No, they also stand 'up' like us. The sense of up and down on the earth is relative.

? Look at the photographs and write

Ques 1, Can you think why Sumita's hair was standing?

Ans) When we are on the earth, our hairs remain in downwards position because of the gravitational force on the earth. Once some is in space, the hairs stand as there is zero gravity in space.

DATE	EVENT
09-12-2009	The spaceship is taking off
11-12-2009	Astronauts are floating in space
13-12-2009	Astronauts are taking food
13-12-2009	Sumita is working
16-12-2009	Sumita is working outside spacecraft

Thursday
Date- 30-9-21

Sunita in Space

Fill in the blanks with appropriate words given in the box.

Seas and oceans, land, Halpan's, her, 9 months, 6 months, seas, clouds, Blobs, Bubble

The blue part of globe are seas and oceans

Water floats like blobs in space

Sunita Williams has spent more than 6 months in space.

Sunita Williams could only make out the land and the sea on the earth from space.

Ques 2) Write T for true or F for false statement.

- (i) The sky, stars, sun and moon are inside the globe. False.
- (ii) Food and water also floats in a spaceship. True
- (iii) The ~~at~~ earth pulls everything towards itself. True
- (iv) Sumita Williams went ⁶³⁰ 360 km away from the earth. False
- (v) There are lines drawn on the ground between the states and countries. False.

Ques 3) Multiple choice questions [MCQs]

- (i) Which of the following countries is situated on the lower part of the globe?
 a) England c) Germany
 b) Brazil d) USA

ii) Which of the following are in space?

- a) stars c) Moon
- b) sun d) All of these ✓

(iii) Which of the following festival is related to the moon?

- a) Gurupurab ✓ c) Eid ✓
- b) Dusshera ✓ d) Christmas

iv) In ~~an~~ high school, Sumita wanted to become a-

- a) teacher ✓ b) helicopter pilot
- c) driver d) astronaut.

Ques 4) GIVE REASON

~~Ques 4)~~ People living in Brazil and Argentina [countries on the lower part of the globe] do not fall.

(i) Ans Due to earth's gravitational force they do not fall off.

(ii) The sea water do not fall off. Due to earth's gravitational force water do not fall off.

iii Paper has to stuck to the wall of spaceship. Because in space there is zero gravity.

iv In space there was no need to use a comb. Because their hair always used to be standing in upward position.

ques 5) Answer the following questions briefly.

i Who is Sumita Williams? Why did she come to India?

Ans Sumita Williams is a woman astronaut. She came to India to fulfill her friend Kalpana Chawla's dream to meet school children.

ii What was Kalpana's dream? Ans Kalpana's dream was to come India and meet school children.

iii How did Sumita describe her view of the earth from space?

Ans Sumita says, "earth looks beautiful and amazing from the space. There are no lines on the land, only the blue oceans and land are visible from the space."

ques 6) Explain the terms below.

i Astrology - The study of the movements of planets and their influence on human and natural world.

Shooting Star - It is a small meteorite which burns up when it enters earth's atmosphere.

~~Spaceship~~ - Spaceship - A special vehicle designed to take the astronaut in the space for their space study.

Satellite - An artificial body that is man made and that revolves around a planet or moon to collect information or communication.

Globe - A globe is the model of the earth.

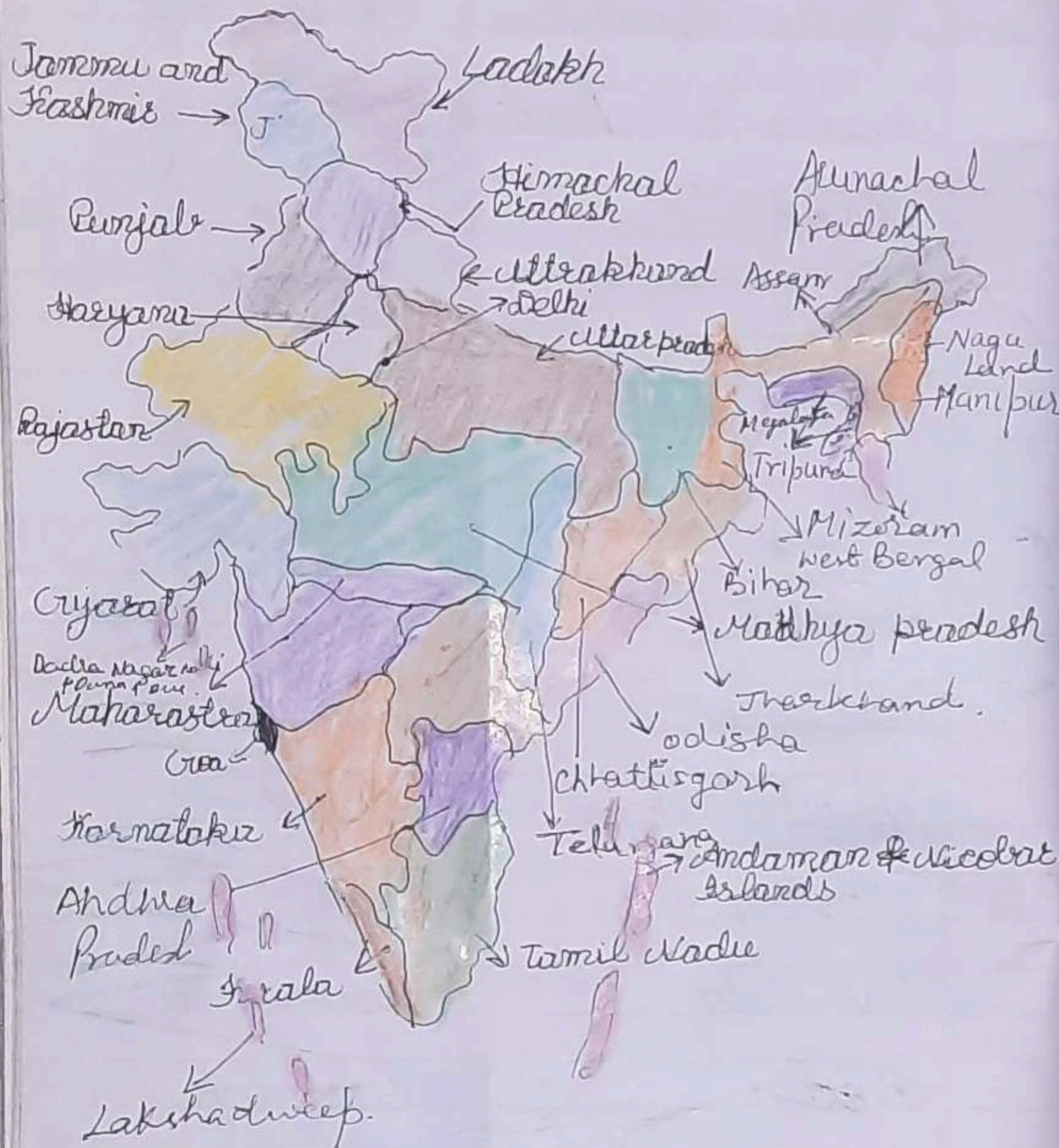
HALF YEARLY SYLLABUS

CHAPTER I to CHAPTER II
(Space Science) (Space in space)

STATE	CAPITAL
Andhra Pradesh	Amaravati
Arunachal Pradesh	Itanagar
Assam	Dispur
Bihar	Patna
Chhattisgarh	Raipur
Goa	Panaji
Gujarat	Gandhinagar
Haryana	Chandigarh
Himachal Pradesh	Shimla
Jharkhand	Ranchi
Karnataka	Bangalore
Kerala	Thiruvananthapuram

MAP OF INDIA.

STATES :- 28 , UNION TERRITORIES :- 8. 118



Madhya Pradesh	Bhopal
Maharashtra	Mumbai
Assam	Dispur
Mizoram	Aizawl
Meghalaya	Shillong
Nagaland	Kohima
Odisha	Bhubaneswar
Punjab	Chandigarh
Rajasthan	Jaipur
Sikkim	Gangtok
Tamil Nadu	Chennai
Telangana	Hydrabad
Tripura	Agartala

Uttar Pradesh Lucknow

Uttarakhand Dehradun

West Bengal Kolkata

UNION TERRITORIES

Andaman Nicobar Islands Port Blair

Chandigarh Chandigarh

Dadar and Nagar Haveli and Daman and Diu Daman

Delhi New Delhi

Lakshadweep Kavaratti

Ladakh Leh

Jammu and Kashmir Srinagar (Summer)
Jammu (Winter)

Puducherry Pondicherry

Note on Sumita Williams

Sumita Williams ~~was~~ ^{is} an American astronaut of Indian heritage and serves United States as Navy officer. She is born on 19 Sep 1965 in Ohio.

On December 9 2006 she flew aboard the space shuttle discovery. She made 4 space walks totaling more than 29 hours outside the spacecraft and spend a total of more than 195 days in space.

Note on Kalpana Chawla

She was born on 17 March 1962. She was first woman of India origin to go to space. She first flew on space shuttle Columbia in 1997.

Her second flight was

on STS 107, the final flight of Space Shuttle Columbia in 2003.

* Sunita Williams was one of the 7 crew members who died in the space shuttle Columbia disaster when the space craft disintegrated during its re-entry into the Earth's atmosphere.

Ques 5) How we can save petrol and Diesel?

- Switch off engines at the signals.
- use public transportation like bus or metro train.
- use car pool (sharing of car seat by colleague of same office.)

Tuesday
2-11-2021

LESSON 12

classmate

Date
Page 123

[What if it finish]

Find out and discuss

Ques 1) Which states of India have oil field?

Ans Following states in India have oil field: Assam, Gujarat, Maharashtra and Andhra Pradesh.

Ques 2) Besides oil, what else is found deep inside the earth?

Ans Beside oil many minerals are found deep inside the earth, e.g. coal, iron, copper, bauxite, gold etc.

Ques 3) Find out the traffic rules and discuss them in the class?

Ques 4) We should use petrol and diesel judiciously? Think why?

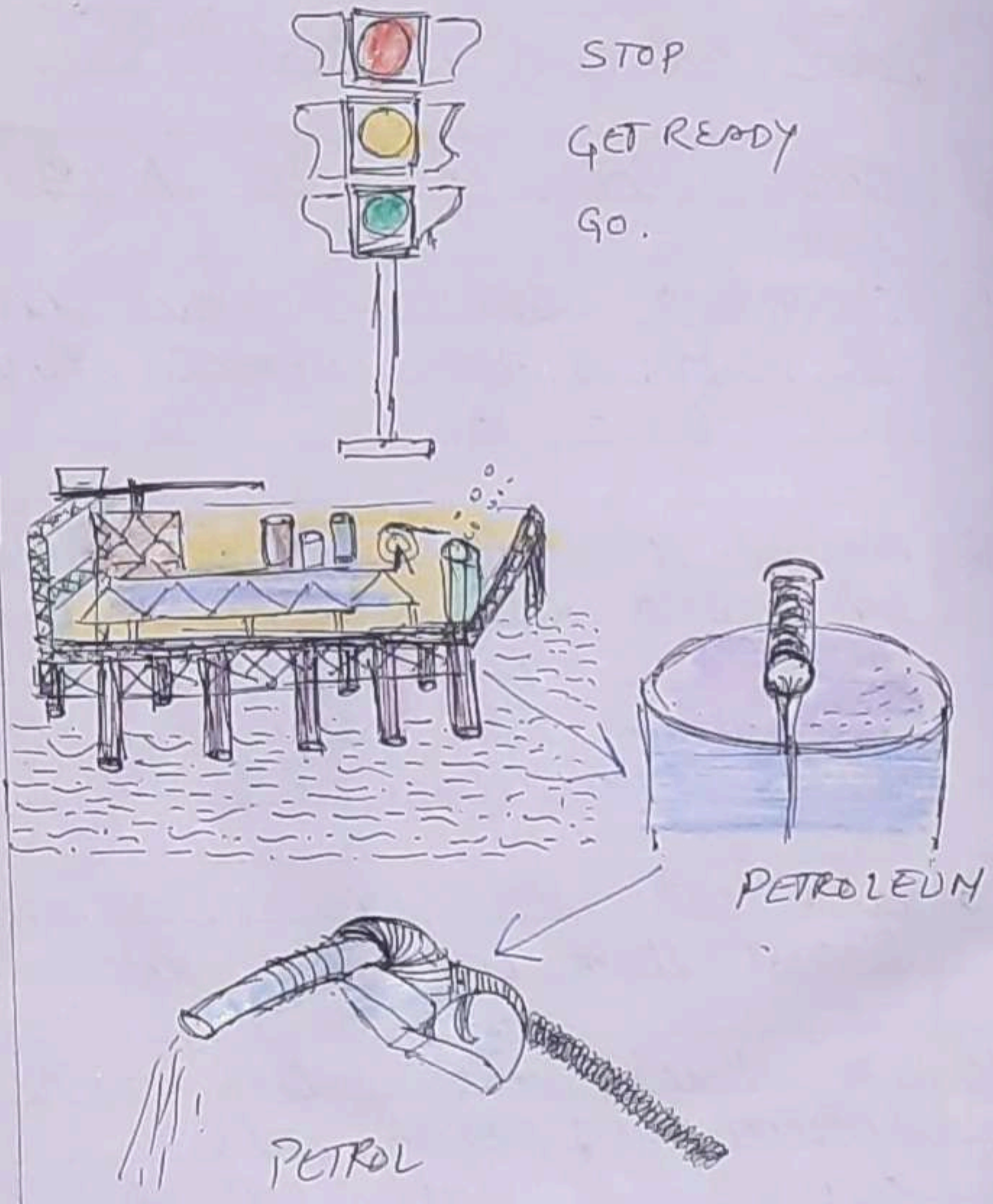
Ans) Because it takes millions of years to form petroleum and the speed with which we are using petrol and diesel is more.

श्रीगणेशाय नमः
ज्ञानं वि ज्ञानं

Thursday
9-11-2021

of its formation

Ans 3)



What if it finishes?

Ques 1) What all can vehicles run on?

Ans Vehicles can run on petrol, diesel, CNG, LPG, battery and solar energy.

Ques 2) What kind of problems will we face, if the numbers of vehicles keep on increasing? For example: more traffic on the road. Talk about this to your elders.

Ans If the number of vehicle keep on increasing it would lead to many problems like: increased traffic on the road, air pollution, noise pollution, more accidents etc.

Ques 3) Munju said, "Why does not everyone use a bus? What do you think why don't people travel by buses?"

Thursday

11-11-21

Ans

Buses are overcrowded and hence people want to avoid them. Poor people ^{prefer} use cycle in order to save money. Rich people use cars and bikes for convenience.

Ques 4)

Suggest some ways to deal with the problems arising of the growing number of vehicles.

Ans 1)

People should use public transport like; Bus, Trains, Metro trains etc.

2)

People should use car pool, i.e. sharing of car seat with the colleagues of same office.

What if it finishes

HOW MUCH OIL	SCOOTER	CAR	TRACTOR
How much petrol/diesel can be filled at a time	10 Litre	40-60L	40-50L
How far can it go on one litre of petrol/diesel	40-50 km	15-20 km	10-12 km

Ques 1)

Where all is oil used?

Ans

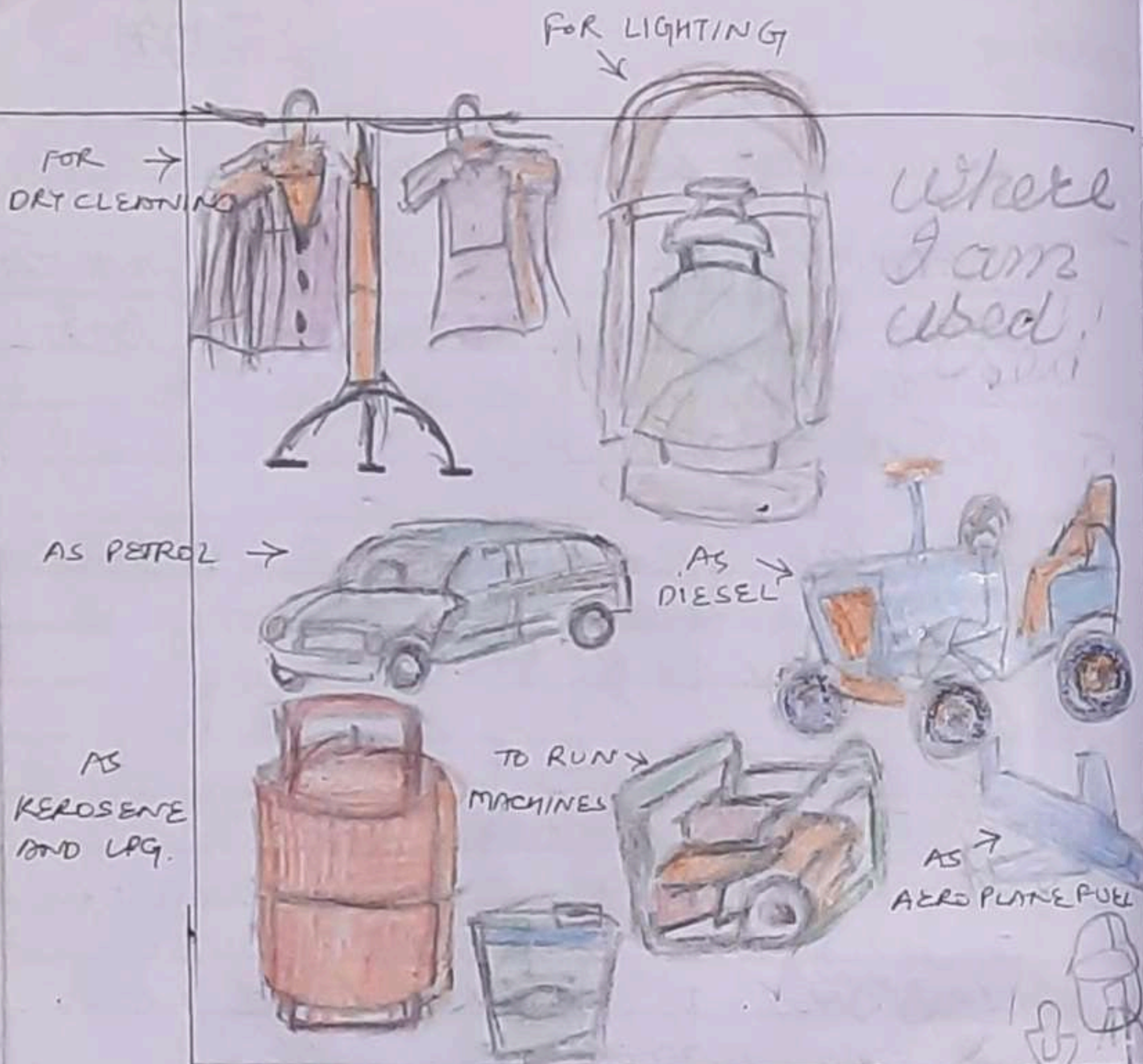
Oil is used for ~~dry~~ cleaning, as fuel for automobiles and air ^{nes} planes, as kerosene and LPG, to run machines and for making plastic and paints.

Ques 2)

Where is Diesel used for? Find out.

Ans

Diesel is used as fuel for cars, buses, trucks, tractors, trains and generators. Additionally, diesel is also used for running machines in factories.



Where
I am
used.

Ques 3) What would happen if you don't get petrol or diesel for a week in your village or town?

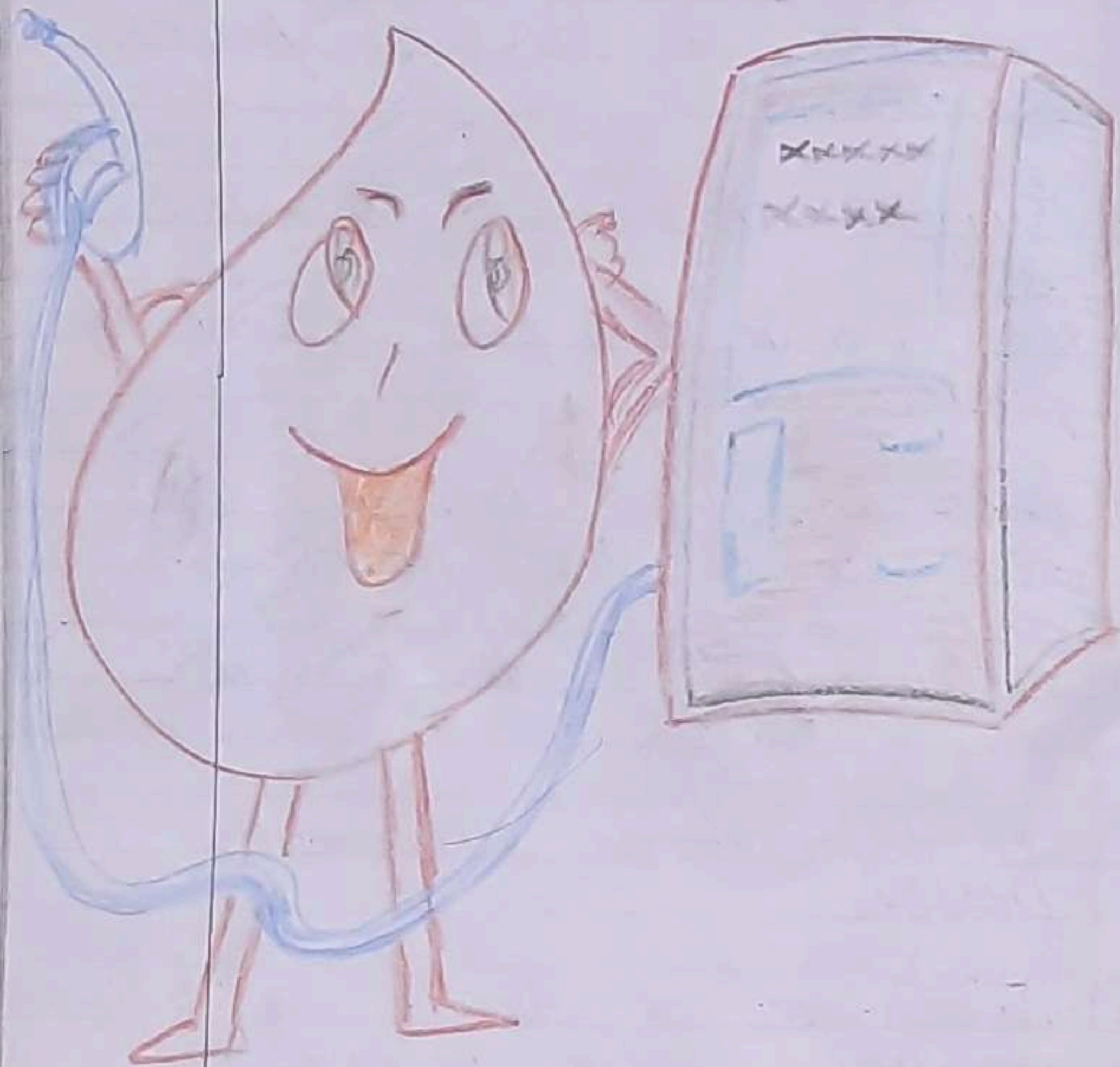
Ans If petrol or diesel will not be available for a week in my area, the life will become ~~starts~~ difficult for everyone.

The transport system would come to a standstill. Small and big factories will have to stop operations. There will be no electricity backup from generators, in case of power failure.

- Ques 4) Suggest some ways to save oil.
- Use public transport instead of personal vehicles.
 - Prefer walking or cycling if you need to go short distances.
 - Switch off the engine of vehicle on red light.
 - Use solar energy when ever possible.
 - Pulses, rice ect. should be soaked in water before cooking.

19-11-21

PETROL ₹120
DIESEL ₹190



What if it finishes?

= Fill in the blanks with appropriate words given in the box.

Pipes, Machines, Borewell, Drilling, Switch off, Hydraulic, Ahmedabad, Well, Petrol pump, Damp, Shop, Cars

Ahmedabad stepwell is about 10 km from Ahmedabad.

Generally, we don't see any bicycle on highway.

Vehicles stop at a petrol pump for fuel.

Switch off the engine when you stop the car at red light.

Through pipes and machines petroleum is pumped out from the earth.

There is lot of smoke when Damp wood is burnt.

Write **T** for true and **F** for false statement.

- i Vehicles on the road make noise **TRUE**
- ii The problem of traffic jam is due to increased number of vehicles **TRUE**
- iii It is not safe to go on a speeding vehicles. **TRUE**
- iv Rates of petrol are different in different cities. **True**
- v Oil can be found everywhere under the ground. **False**
- vi Oil is formed naturally and quickly. **False**

vii Oil pumped out from the ground is a smelly, thick, dark coloured liquid. **True**

viii Electricity can be used to run vehicles **True**

= Multiple choice questions.

Which of the following fuels gives least smoke?

- | | |
|----------|-----------------|
| a Petrol | c CNG ✓ |
| b Diesel | d None of these |

To clean oil found deep down in the earth, it is sent to?

- | | |
|-------------|--------------|
| a Pumps | c Refinery ✓ |
| b Oil depot | d Mills |

Which of the following is obtained from petroleum?

- | | |
|-------|------------------|
| a Wax | c Coal tar |
| b LPG | d All of these ✓ |

Which gas is used for cooking in homes?

- a) CNG c) both (a) and (b)
 b) LPG ✓ d) none of these

(Liquified Petroleum gas)

How many people in our country use uple, wood and dry twings to cook food?

- i) a) $\frac{1}{2}$ c) $\frac{1}{4}$
 b) $\frac{2}{3}$ ✓ d) All of these

= Give reason

The majority of people in our country use uple, wood and dry twings, ect as fuel.

ans Because uple^{wood} and dry twings are free to get and use where as people need to pay money for other fuels and majority of villagers are poor.

CNG is a superior fuel to petrol.

CNG is cleaner than petrol because it does not produce as much smoke as petrol produces.

= Long answers type questions

Ques) What ~~prob~~ problems will we face in the future due to increasing numbers of vehicles? Suggest some ways to deal with the problems? We will face more problems of ^{more} air and noise pollution.

- 1) We should try to ~~save~~ public transport more often like train, bus ect.
- 2) Walk if we have to go short distance.
- 3) Try to use bicycles, rickshaws which do not need fuel. fuel

List any 5 ways in which you can save petrol

- 1) Switch off the engine of ~~car~~ ~~at~~ ~~the~~ ~~red~~ ~~light~~s
- 2) Walk or use bicycle to go small distance.
- 3) Use public transport i.e bus, train ect.
4. Use car pooling with colleagues.
5. Make every drop of petrol go a long way.

= Write.

The full form of -

CNG :- Compressed Natural Gas

LPG :- Liquefied Petroleum Gas

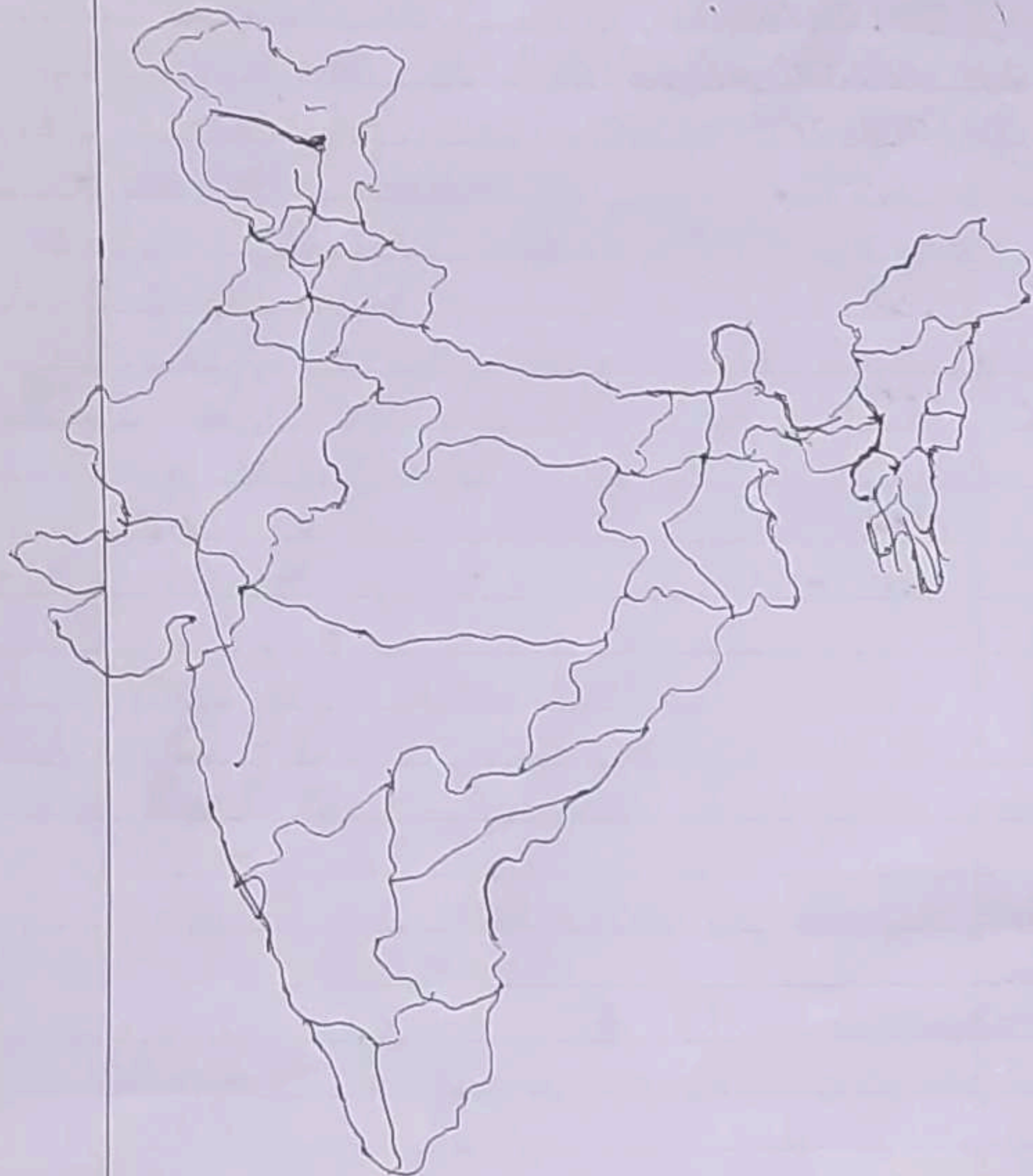
= Any 2 oil Refineries in India with their location.

- Kochi Refinery in Kerala Company - Bharat Petroleum Oil Corporation.

- Mumbai Refinery in Maharashtra. Company - Hindustan Petroleum Corporation Limited

Countries having large oil reserves.

- 1) Venezuela
- 2) Saudi Arabia
- 3) Canada



MAP OF INDIA

20/11/21

[13] A shelter so high

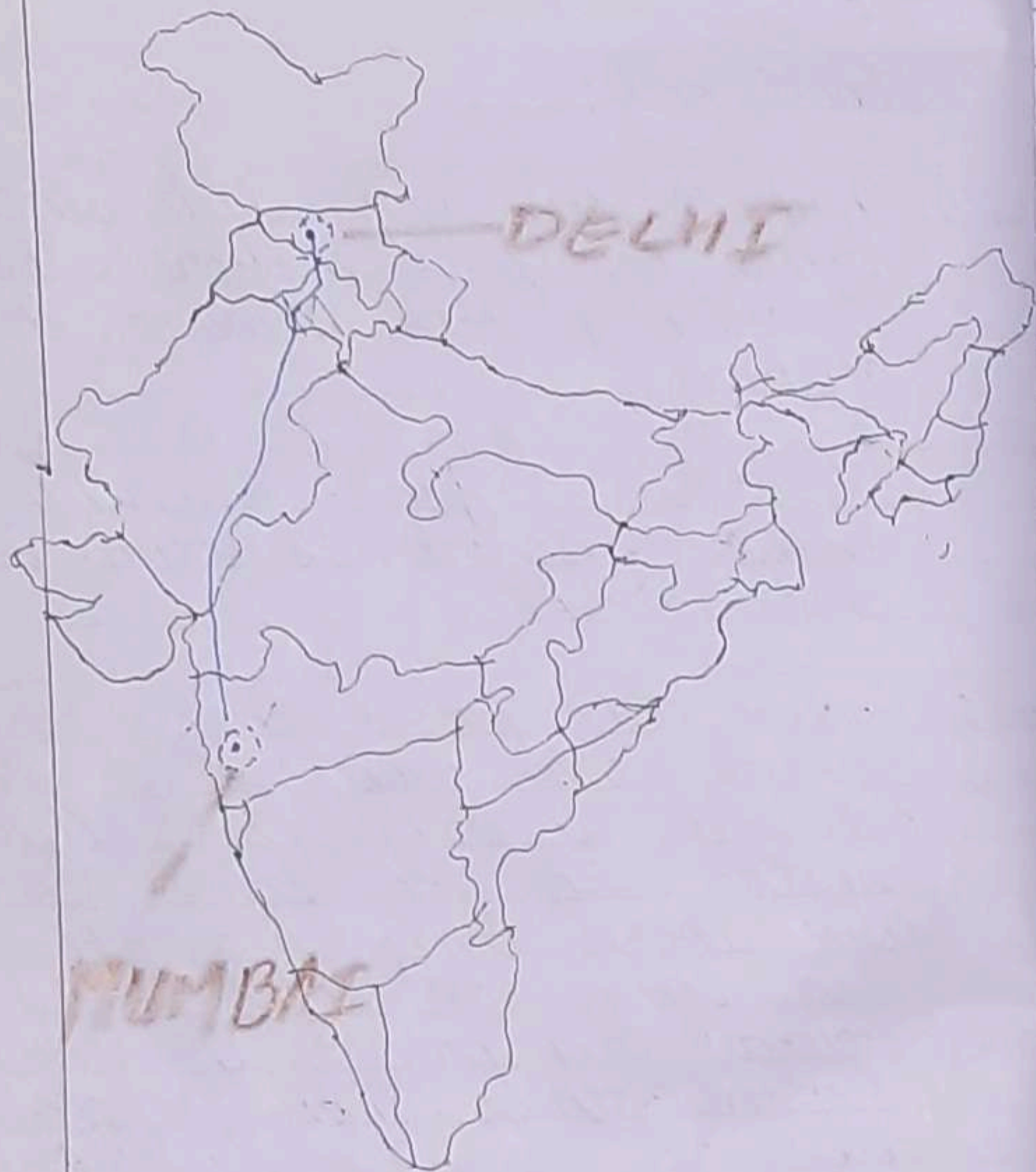
Find out:

Ques 1) Check in your map. Which states would one pass through while travelling from Mumbai to Kashmir?

Ans One would pass through: Maharashtra, Gujarat, Rajasthan, Haryana, Punjab, Himachal Pradesh and Jammu & Kashmir

Ques 2) Gourur Jami passed through several states while going from Mumbai to Delhi. Find the capital cities of these states. Was there any big other big town on his way?

Ans Gourur Jami passed through several states. Their capital cities are as follows: Maharashtra: Mumbai, Gujarat: Gandhinagar, Rajasthan: Jaipur, Haryana: Chandigarh. Some of the big cities on his



MAP OF INDIA

Ques 2) way could be: Ahmedabad, Jaipur, Chandigarh etc.

Ques 3) Is Manali a plain or a hilly area? In which state is it?
Ans Manali is a hilly area and it is in Himachal Pradesh.

Ques 4) Have you ever stayed in a tent? Where? What was it like?

Ans If I were to stay alone in a small tent for 2 days I will take following 10 things with me; clothes, blanket, torch, packaged food, water, stove, mosquito repellent, shoes, camera, and

Ques 5) What all ^{different} types of houses have you seen?

Tell your friends about it. Make drawings too.

Ans I have seen different types of houses at different places. Following are the list of

Some houses.

- (a) Thatched hut; made of dry leaves and mud walls.
- (b) Pucca house; made of bricks and cement.
- (c) stilt houses; made of bamboo stilts.

Ques 6) During winters, Tashi and his family live on the ground floor. Why would they be doing so?

Ans There are no windows on the ground floor. This would keep them ^{room} warm ^{during} in winters too. That is why Tashi and his family live on ground floor during winters ^{the} on winters.

Ques 7) What is the shape of your house like? What all is the shape used for?

Ans The roof of my house is flat and it is used

is made up of bricks and cement. We use roof for following things:

- 1) For drying clothes
- 2) For drying potato chips, badi, nam papad etc during
- 3) For sleeping ~~also~~ ^{during} in summers on rooftop days.

Ques) Fill in the blanks with appropriate words given in the box.

Shikara Dongra Jumbo Welcome
 Houseboat Lonar Ladakh Bye
 50 5 80 80 1400 2800
 Mumbai Jammu Dal Meerab

- i) Gourav Jari went on a long journey with his motorcycle named Lonar
- ii) The distance between Mumbai and Delhi is 1400 km
- iii) Delhi looked just like Mumbai
- iv) In Ladakh there were high snowcapped mountains and cold flat ground.
- v) Jule means Welcome

vii Tourists who come to Shimoga love to stay in a Houseboat.

vii Houseboats can be as long as 80 feet and 8 to 9 feet wide.

viii Many families in Shimoga live in a Donga Donga.

ix Mekhral are the beautiful arches in the old houses.

Ques 2) Multiple choice questions (MCQ)

i Which of the following is a cold desert?

- a) Manali
- b) Changthang
- c) Ladakh ✓
- d) Shimoga

ii Where is Leh?

- a) Changthang
- b) Ladakh ✓
- c) Shimoga

iii The carving on the ceiling of houseboat and big houses in Shimoga is called.

- a) Motip
- b) Panel
- c) Khutambond ✓
- d) Mekhral

iv Some old houses in Shimoga have a special window which comes out of the wall known as.

- a) Donga
- b) Lekha
- c) Dale ✓
- d) Mekhral

v Which of the following is not a type of house?

- a) Dale ✓
- b) Donga
- c) Houseboat
- d) Rebo

- vi Bakarwal people live in -
houses made of
- Mud and Lime
 - Stones and mud ✓
 - Bamboos
 - Mud and hay

Ques 4)

Give reasons

~~Roof~~ Roof is the most important part of house of Tashi.

Over these roofs Tashi and other families of Leh put their fruits and vegetables to dry in Summers; So that they can use it in winters, when they do not get fresh food.

2 Goats are the treasure Changpa tribe people.

Ans

The people of Changpa tribe get : milk, meat, wool ~~etc~~ etc. from their goats only.

- 4 Changpa graze their goats at higher and colder places.
Changpa graze their ~~goats~~ goats at higher altitudes so that goats ~~goats~~ can have softer and finer hair.
- 5 Each families puts a special mark on their animals.
So that the ~~animals~~ animals of different families does not get mixed up.
- 6 Houses on the mountains have a sloping roof.
So that the rain and snow can easily slide down from the roof.
- 7 Every lane in Kashmir has a bakery.
~~People~~ People in Kashmir do not cook rotis or bake bread at home they buy it from bakeries.

Q Ans the following questions briefly.

i Why did Gourav Jami go on such a long journey?

Ans

Gourav Jami loved to travel to different parts of our country which are different from the busy, noisy and crowded cities.

ii What all things did Gourav Jami take with him on his journey?

D=~~HT~~
EGP
C
DF
N=~~HT~~
PS SB
WC
T
Biii

Gourav Jami took ~~nylon~~ nylon-tent, sleeping bag, plastic sheets, warm clothes, blankets, dry foods, camera, torch and extra cans of petrol.

Which lake^{and river} are situated near Shimoga? What kinds of houses are seen near the lake?

Q

Ans

Dab lake and Thelum river are situated near Shimoga. We can see the house^{boats} there.

iv What things attract tourists to Shimoga?

Tourists are attracted to the famous and beautiful houseboats in Shimoga.

v What is Shikara?

Ans Shikara is a special type of boat which we can see only in Thelum river and Dal lake in Shimoga.

vi How was Gourav Jami feeling on his return journey?

Ans Gourav Jami felt upset to leave the special part of our country which is very different from the cities.

Ques 9 What were special features of houses in

DELHI	LEH	CHANGTHANG
Houses made up of cement, bricks, glass and steel	Floose building made of stone walls coated with mud and lime	Special tent - Rebo made up of woven and stitched

JAMMU

Houses made up of cement, bricks, steel and glass.

2-12-21

LESSON 14

⑫ With the earth strokes

classmate

Date Page 153

EARTHQUAKE!

Earthquake is a natural disaster that is caused due to sudden shaking of the ground due to some underground disturbances.

Building break and fall, roads are cracking cracked, many people die and property gets damaged.

EARTHQUAKE IN KUTCH, GUJRAT

PAGE 154

Discuss and write:

Ques 1) Have you or anyone that you know ever faced such difficulty?

Ans People living in Assam and Sikkim must have faced earthquake problems.

Ques 2) Who all helped at such a time? Make a list.

Ans Many people help at such

WHAT IS THE REASON OF EARTH QUAKE.

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classmate

Date
Page 155

a time. Some of them are:

- Neighbours help each other
- People from bigger cities come for help.
- Local leaders
- Political leaders
- Various non-government organisations
- Doctors and nurses of the nearby hospitals
- Some shopkeepers

Ques 3) What should one do in an earthquake?

Ans Run outside of the building to an open ground.

Stay away from glass, windows, doors walls, furniture or anything that could fall and cause damage.

Take shelter under a strong table and hold its legs tightly until the shaking of ground stops.

Ques!) Fill in the blanks with the appropriate words given in the box.

DOCTOR, ENGINEERS, ARCHITECTS, SCIENTISTS,
LIE DOWN, 4, 6, 10, TWISTED, FRACTURED, COLD,
FEAR, PAIN, GRIEF, ARMY PEOPLE, STAND

- 1: Jasma's leg got fractured.
- 2: 6 people of Jasma's village died.
- 3: Cold and fear kept village people awake at night.
- 4: Scientists tried to find out which areas have more chances of having an earthquake.
- 5: Engineers and architects showed designs of houses which would not get much damaged ~~in~~ in earthquake.
- 6: In case of earthquake lie down under a strong table and hold its leg tightly.

Ques 2) Write T for True and F for False statement.

- 1 Jasma was 15 years old when there was an earthquake in her city. false
- 2 Jasma's village hospital was not much damaged. false
- 3 Nobody was injured from Jasma's family. false
- 4 Village women cooked food together at Motababu's house and fed everyone. true
- 5 In case of an earthquake we should not go to an open area. false

Ques 3) Multiple choice questions. [MCA]

- 1 Which calamity occurred on 26 Jan, 2001
 - a cyclone
 - b flood
 - c earthquake ✓
 - d Tsunami

2 Where there is no rain, crops can fail; then there can be

- a cyclone
- b flood
- c famine
- d drought ✓

3 excessive rainfall can lead to

- a Tsunami
- b flood ✓
- c famine
- d drought

4 Storage of food and water can result in a

- a tsunami
- b flood
- c famine ✓
- d drought

i where is Bhuj? when did the earthquake in Bhuj take place.

Ans Bhuj is in the state of Gujarat. The earthquake in Bhuj took place on 26 Jan 2001.

Ques 4) Ans the following questions based on bad experience on earthquake of Jasma.

Ques 1) What is an earthquake?
Ans Earthquake is a natural disaster which is caused due to shaking of the earth's surface.

Ques 2) When and where did the earthquake come?
Ans The earthquake came in the Kutch ^{district} area of Gujarat.

Ques 4) What was Jasma doing when the earthquake come?
Ans Jasma was in the school watching 26 Jan parade on TV.

Ques 5) How did the people of Kutch react?
Ans People were very scared and were running to save their

life.

Ques 6) What damage was caused to the village and people there?
Ans Many houses were fallen, many people were injured and 6 people died in the earthquake.

Ques 7) Did Jasma and her family members get injured?
Ans Yes, many people of Jasma's family ~~were~~ injured eg: Jasma's leg was fractured and her grandfather died in the earthquake.

Ques 8) Who all come to help the village people? How did they help the village people?
Ans Scientists came to find out which areas have more chances of an earthquake, doctors came for the treatment of injured people and engineers

& architects came to design new earthquake safe houses for the villagers.

Ques) Why were the people of the village afraid of making the houses again as the engineers were telling?

Ans They were afraid because they thought their village will not look like how it was earlier if buildings were build there.

whose help ^{will be} needed

DOGS

LABOURERS

Military police

How will they help

To smell out where people are lying trapped

To help in digging out the rubble and build new houses

Help to rescue the people trapped in rubble.

Doctors

To provide medicine and treatment

Scientists

They help to find out the areas where there are more chances of earthquake.

Architects

Designs earthquake proof houses.

Government & Non Government org

Provide required help

SOME WIND

Instruments



Blow hot Blow cold

LESSON 15

Page No. 3
Date: 7-12-21

Topic: (Try this)

Ques 1) Have you warmed your hands in winters by blowing on them when they are cold? How does it feel?

Ans Yes, I have warmed my hands in winters by blowing on them when they are cold. It feels quite comfortable.

Ques 2) Blow hard from your mouth onto your hands. How did you find the air from your mouth as compared to the air around? Was it hotter, or cooler?

Ans When I blow hard from my mouth onto my hands, the air from my mouth feels hotter as compared to the air around.

Ques 3) Now put your hands at some distance from your mouth and blow again. Does

the air from your mouth feel warm? why?
 when hands are put at some distance from the mouth; the air blow from the mouth does not feel much warm. This happens because the air travels some distance and gets mixed up with the air around which is cold.

ans)

(from our mouth)

Ques) Fill in the blanks with appropriate words given in the bracket. ()

- i The air we breathe out contains Moisture (Moisture/Dust)
- ii When we blow air out of ~~the~~ our mouth, our chest goes in while when we breathe air in, our chest comes out (comes out / goes in)
- iii Hot air is light and rises. (Hot, Cool)
- iv Cool air is heavy and comes down. (Hot/Cool)

Answer these questions

Ques) Why the air blown from our mouth ~~and~~ cools the things in summer and warm in winters?

ans The air blown from our tu

mouth is always at our normal body temp which is 37°C so when we blow at some colder things in winter its temp rises and if we blow at some hotter thing its temp falls.

Ques 2) why do we blow at the hot tea?

Ans we blow at the hot tea to make it cool.

Ques 3) why do we blow at the burning fire?

Ans when we blow at burning fire it will extinguish.

Ques 4) Name any two instruments that produce sound when we blow into them.

Ans Few instruments that produce sound when we blow into them are: Brass band
Flute
Pean

Ques 5) How do you cool down your porridge without blowing air from your mouth?

Ans we can cool down our porridge without blowing on it by following ways:

- 1) By pouring it in an open bowl.
- 2) By putting it under the fan.
- 3) By waiting till it become cool by itself.
- 4) By blowing air from the mouth.

Ques 6) why do people get relief when we blow on their wound?

Ans when we blow on someone's wound warm air comes from our mouth that gives relief ~~to the person~~ ^(relief) in the part of ^{wounded} ~~wound~~.

Ques 7) why does our heart beat ^{in the part of} faster after running?

Ans when we jump or run our blood circulation increases

Our heart has to do more work to pump the blood faster. So our heart beat fast when we run.

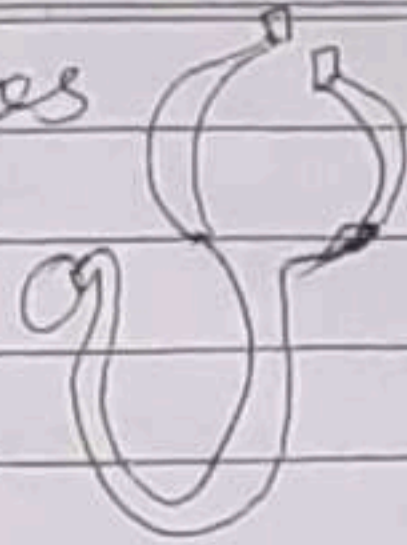
Ques 8) How does the mirror look hazy when we blow hard on it?

Ans When we blow hard, some water vapours also come out with the breathe and falls on the mirror. These water vapours make the mirror hazy.

Ques 9) How does the breath help to warm our hands in winter?

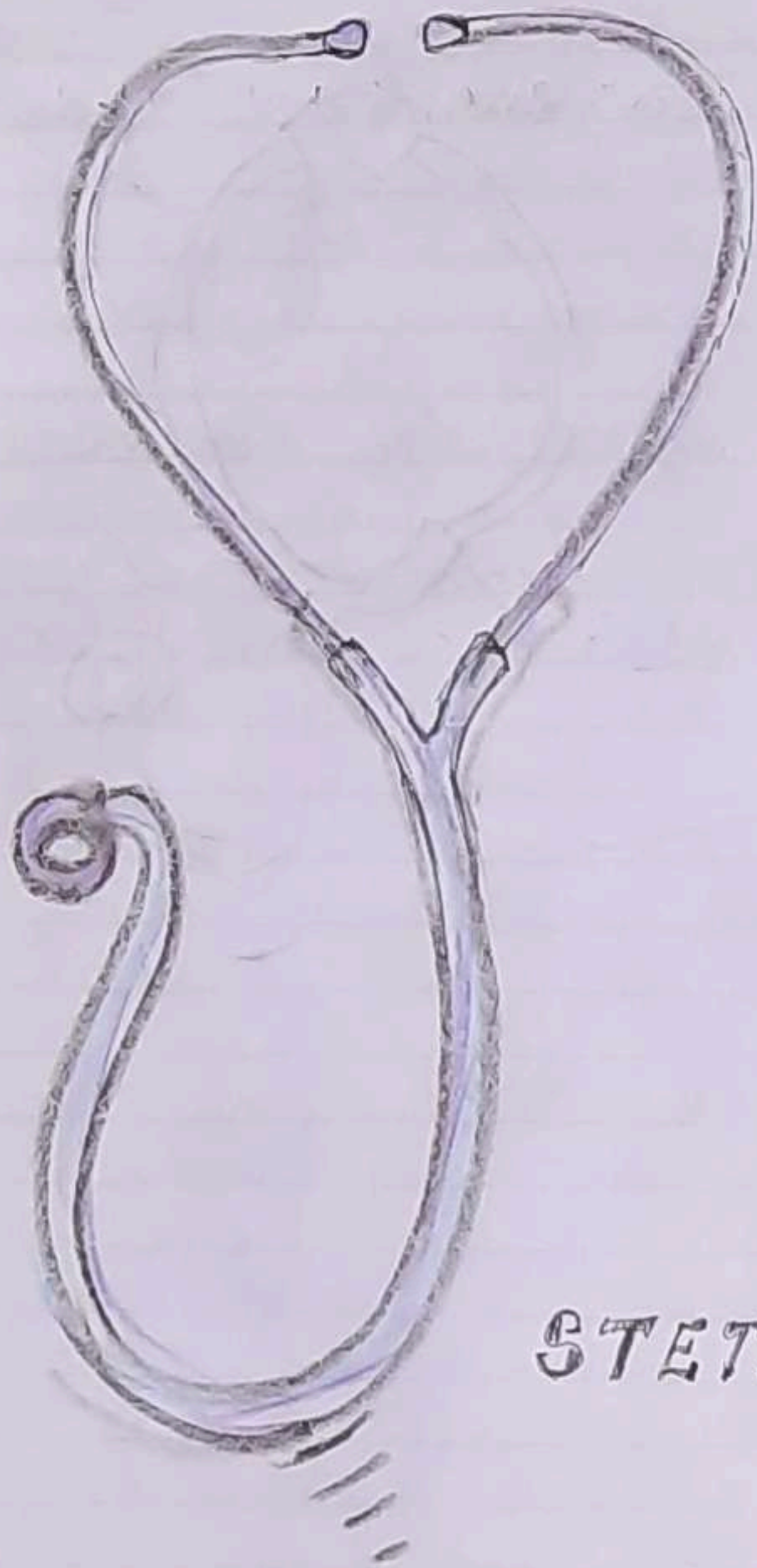
Ans The air that we blow from our mouth in winter is warm and when we blow that on our hands it makes the hand warm.

This is a stethos cope.



It is used by doctors

For what purpose it is used?
It is used to listen hear beat.



STETHOSCOPE

16) Who will do this work.

Ques) Write True or False and A for false statements.

- a) People of one community have to do cleaning work. FALSE
- b) Even guests had to clean their toilets in Ghandiji's Ashram. TRUE
- c) Ghandiji used to clean the toilets in Wardha. TRUE
- d) Ghandiji said that everyone should not do cleaning work. FALSE
- e) Ghandiji fought against untouchability. TRUE
- f) The Indian Constitution was prepared under the leadership of Bhaba Sahab Ambedkar. TRUE

VERY SHORT ANS TYPE QUESTIONS

Ans in one word or one sentence.

Q) Why do people do different kind of ~~job~~ jobs?

Ans People do different kind of ~~J~~ jobs because every person have different skills, abilities, choices and needs.

Q) Write any 2 kind of jobs that people would not like to do?

Ans ~~of~~ Usually people would not ~~to~~ like to do clearing job and ~~and~~ sweep the floor.

Q) "Every person should do every kind of work." Who said these words?

Ans These words was said by Mahatma Gandhi ji

SHORT ANS TYPE QUESTIONS

Ans the following questions briefly.

i In older times, did children have to do the same work as their father and grand-father did? Is it same nowadays?

Ans Yes, in older days children have to do the same work as their father and grand-father ~~o~~. Nowadays, it is not the same.

ii Who are untouchables? Does untouchability still exist in India?

Ans People who do cleaning job are called untouchables by other people. Yes, untouchability still exist in India.

iii

Why some people, despite being educated, still have to do cleaning jobs?

Ans

Some people are forced to do cleaning jobs despite being educated because their father and grandfathers used to do such jobs.

iv

How are people (who normally do cleaning) ~~are~~ treated if they deny to do cleaning work?

Ans

Usually those people are treated very badly if they deny to do cleaning job.

5

Answer the following questions based on Ghandi ji's work against untouchability.

i

What was the name of Ghandi ji's ashram at Ahmedabad?

Ans

The name of ashram of Ghandi ji at Ahmedabad was Sabarmati ashram.

ii

Who was Narayan? What was his job in the ashram?

Ans

Narayan was a follower of Ghandi ji. His job was to teach the girls how to clean the toilets.

iii

Who do the cleaning job in the Ghandi ji's ashram?

Ans

Everyone who was sleeping in that ashram do cleaning job. had to do

iv

How was cleaning done in those days?

Ans

In those days there used to be a hole under which a basket used to kept. People sat on the hole and later basket had to be lifted by hands to be emptied.

What incident took place in Wardha? How did Ghandi ji and Narayan react on it? Describe in your words?

- Once Bhandi ji and Mahadevbai went to stay in a village near Wardha.
- They started cleaning toilets of the village.
- One day a man pointed at Mahadevbai and asked him to clean the dirty toilet.
- Balala got angry on hearing this. He thought that the villagers felt it was not their work to clean the toilets.

Think, Find and write

Ques 1) Write a short note on "Swachh Bharat Abhiyan" a campaign initiated by our Prime Minister, Mr Narendra Modi.

Ans Swachh Bharat Abhiyan is a national wide campaign in India for a period of 2014 to 2019 that aims to clean streets,

roads, infrastructure of Indian cities.

Ques 2) What is "equality among people"? Name the right made by Central Government for giving equality among people?

Ans 'Equality among people' is one of the fundamental rights of the Indians Constitution to give equality to all the people in everything not be any discrimination of people on the basis of caste, religion, education etc