

# VERDANT ACADEMY

SUBJECT: EVS

WORKSHEET 1

CH-9 STD-5

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Q-1 Choose the correct option.

1. A push or pull acting on an object is called \_\_\_\_\_.

- a. Energy
- b. Force
- c. Work
- d. Upthrust

2. The force exerted by the earth to pull an object towards itself is called \_\_\_\_\_ force.

- a. Magnetic
- b. Muscular
- c. Gravitational
- d. Frictional

3. The force of attraction exerted by a magnet on another magnet or magnetic material is called \_\_\_\_\_ force.

- a. Magnetic
- b. Muscular
- c. Gravitational
- d. Frictional

4. The upward force exerted by a fluid on a body which is fully or partially immersed in it, is called \_\_\_\_\_ force.

- a. Magnetic
- b. Muscular
- c. Buoyant
- d. Frictional

5. \_\_\_\_\_ energy is the energy that is possessed by an object due to its motion or due to its position.

- a. Potential
- b. Kinetic
- c. Solar
- d. Mechanical

6. When water is stored at a height behind the dam, the energy stored in water is due to its position and is known as the \_\_\_\_\_ energy.

a. Potential

b. Kinetic

c. Solar

d. Mechanical

7. Mechanical energy possessed by an object due to its motion is called \_\_\_\_\_ energy.

a. Potential

b. Kinetic

c. Solar

d. Mechanical

8. The energy obtained from the sun's rays is called \_\_\_\_\_ energy.

a. Potential

b. Kinetic

c. Solar

d. Mechanical

9. The energy produced from moving air is called \_\_\_\_\_ energy.

a. Potential

b. Kinetic

c. Light

d. Wind

10. Force can bring about a change in the \_\_\_\_\_ of an object.

a. Direction

b. Gravity

c. Energy

d. Friction

11. \_\_\_\_\_ helps us to change the shape of any object.

a. Gravity

b. Wind

c. Force

d. Direction

12. What is the natural source of light?

- a. Electricity
- b. Sun
- b. Tube light
- d. Candles

13. The light of sun helps plants to prepare their food by the process of \_\_\_\_\_.

- a. Breathing
- b. Growing
- c. Photosynthesis
- d. Moisture

14. Which of the following power plants are eco-friendly?

- a. Heat
- b. Sound
- c. Electrical
- d. Wind

15. The flow of electric charge is called \_\_\_\_\_.

- a. Electricity
- b. Solar
- c. Sound
- d. Wind

16. The total amount of energy in the universe always remains \_\_\_\_\_.

- a. Changed
- b. Constant
- c. High
- d. Low

17. \_\_\_\_\_ force that pulls the object downward toward the centre of earth.

- a. Electrostatic
- b. Buoyant
- c. Muscular
- d. Gravity

18. Capacity of doing work is called \_\_\_\_\_.

- a. Energy
- b. Force
- c. Motion
- d. Work

19. Which force is given by Ankita when she was moving a bench to make some space?

- a. Pull
- b. Pressed
- c. Push
- d. Magnetic

20. Which force help us to lift a bucket?

- a. Gravitational
- b. Magnetic
- c. Frictional
- d. Muscular

Q-2 Fill in the blanks.

1. A moving football comes to a stop after sometime because of the force of \_\_\_\_\_.
2. Energy is needed to perform \_\_\_\_\_.
3. Work is done when a \_\_\_\_\_ is applied on something and it moves.
4. Light travels faster than anything else in this world with a speed of \_\_\_\_\_ m/s.
5. Source of energy that do not get exhausted are called \_\_\_\_\_ source of energy.
6. The energy source that are present in limited amount in nature are called \_\_\_\_\_.
7. The \_\_\_\_\_ of energy states that energy can neither be created nor be destroyed.

8. \_\_\_\_\_ energy is generated from the power stations and later supplied to our houses.
9. We apply \_\_\_\_\_ pushing and pulling.
10. This buoyant force or the upward force is also called \_\_\_\_\_.
11. \_\_\_\_\_ and \_\_\_\_\_ are interrelated to each other.
12. \_\_\_\_\_ energy needs a medium to travel such as air, water, metal or even wood.
13. Humans get \_\_\_\_\_ to do work from the food they eat.
14. The energy stored in a water due to its position is known as \_\_\_\_\_ energy.
15. The chemical energy stored in fuels gets converted into \_\_\_\_\_ energy when burnt.
16. The \_\_\_\_\_ energy is a renewable and eco-friendly source of energy.
17. The \_\_\_\_\_ energy is used to rotate the blades of windmills which in turn generates electricity.
18. \_\_\_\_\_ force helps in slowing down the motion of a moving object or prevents the object from moving.
19. The cranes also make use of \_\_\_\_\_ force to lift heavy load.
20. \_\_\_\_\_ force can also attract tiny particles of dust and smoke and is used in electric air purifiers.