

VERDANT ACADEMY

SUBJECT: EVS

WORKSHEET 1

CH-11 STD-5

Q-1 Choose the correct option.

1. What is a pulley?
 - a. A bar use to lift heavy object
 - b. A wheel with a groove for a rope
 - c. Made of two inclined plane
 - d. A lever with an arm and a fulcrum
2. What is an example of a wheel and axle?
 - a. Hammer
 - b. Wagon
 - c. Ramp
 - d. Flag Pole
3. What is the load?
 - a. The work
 - b. A compound machine
 - c. A simple machine
 - d. The object being moved
4. A stiff bar that moves about a fixed machine?
 - a. A lever
 - b. A wedge
 - c. A wheel and axle
 - d. An inclined plane
5. How many types of levers are there?
 - a. 4
 - b. 2
 - c. 3
 - d. 1
6. What is lever?
 - a. Bar which can turn about a fix point
 - b. Inclined plane
 - c. Wheel with grooves
 - d. Axle and wheel

7. What is fulcrum?

- a. Pushing force
- b. Fixed point of lever
- c. An object
- d. All of these

8. A screw is a/an

- a. Inclined plane
- b. Lever
- c. Wedge
- d. Pulley

9. Which is not a type of simple machine?

- a. Spring
- b. Screw
- c. Pulley
- d. Wedge

10. The load is between the fulcrum and effort.

- a. Class 2
- b. Class 1
- c. Class 3
- d. All of these

11. The force that is applied to move an object is called

- a. Effort
- b. Load
- c. Fulcrum
- d. All of these

12. What is a simple machine?

- a. Screw
- b. Lever
- c. Pulley
- d. All of these

13. Machine are things that make your work

- a. Easier
- b. Faster
- c. Slower
- d. Both a and b

14. The machine having few parts are called

- a. Simple
- b. Small
- c. Complex
- d. Big

15. A lever of class 2 always _____ force.

- a. Decrease
- b. Increase
- c. Both
- d. None

16. In hospitals and other places, inclined planes called

- a. Slope
- b. Ramp
- c. Footpath
- d. All of these

17. Which is not a simple machine?

- a. Ramp
- b. Wheel and axle
- c. Watch
- d. Screw

18. A pulley is made of

- a. A lever
- b. A wheel
- c. Modified inclined plane
- d. An inclined plane

19. Which of the following is class one lever

- a. Wheelbarrow
- b. Seesaw
- c. Nutcracker
- d. Tweezers

20. Which of the following is an example of a wedge?

- a. Stapler
- b. Nutcracker
- c. Screw
- d. Knife

Q-2 Fill in the blanks.

1. A car jack is an example of _____ lever.
2. A person using a hockey stick is an example of _____ lever.
3. A _____ is an inclined plane that goes round and round.
4. A wheel and _____ together act as a simple machine.
5. _____ are device, which help us to do a great deal of work with less effort.
6. A lever's balance point is called its _____.
7. There are _____ types of simple machine.
8. The point against which the lever pivots is called _____.
9. A _____ is an example of a compound machine.
10. A _____ is a mechanical device.
11. The object to be moved is called _____.
12. An _____ is also known as a ramp.
13. A _____ help to split or cut an object.
14. A _____ is a combination of two or more simple machine.
15. A screw is a kind of _____.
16. A _____ is a double inclined plane.
17. The weight of an object in air is called its _____.
18. A Wedge is a double _____.
19. The force we applied to lever is called _____.
20. Axe is an example of _____.