

- 3) A pulley is used to push objects, not to lift them.
- 4) An inclined plane makes it harder to lift heavy objects.
- 5) Scissors are an example of a compound machine made using levers.
- 6) A screw is a type of simple machine.
- 7) A wedge is used to hold objects together.

Q-4 Match the following.

Column A

1. Lever
2. Pulley
3. Inclined plane
4. Wheel and axle
5. Screw
6. Wedge
7. First-class lever
8. Second-class lever
9. Third-class lever
10. Simple machine

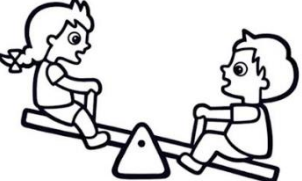




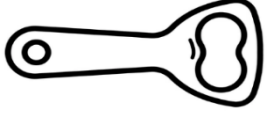
Column B

- a. Fixed point (fulcrum)
- b. Used to lift objects
- c. Sloping surface
- d. Rotating mechanism
- e. Spiral inclined plane
- f. Cutting or splitting
- g. Fulcrum in the middle
- h. Load in the middle
- i. Effort in the middle
- j. Reduces effort force

Ans:-

- 1- _____
- 2- _____
- 3- _____
- 4- _____
- 5- _____
- 6- _____
- 7- _____
- 8- _____
- 9- _____
- 10- _____

Q-4 Identify the following simple machines and classify them according to their lever type.

1) 		
4) 	5) 	

Q-5 Read the following two statements and choose the correct option.

1) Statement 1 A lever is a bar which can turn about a point called fulcrum.

Statement 2-The object that we are trying to lift is called the load.

- a. Both statement 1 and 2 are correct
- b. Statement 1 is incorrect but statement 2 is correct
- c. Both statement 1 and 2 are incorrect
- d. Statement 1 is correct but 2 is incorrect

2) Statement 1-When the load is between the fulcrum and effort, it is called the first class lever.

Statement 2-When the effort is between the fulcrum and the load, it is called a third class lever.

- a. Both statement 1 and 2 are correct
- b. Statement 1 is incorrect but statement 2 is correct
- c. Both statement 1 and 2 are incorrect
- d. Statement 1 is correct but 2 is incorrect

3) Statement 1-A Pulley is a small wheel.

Statement 2-A slide is an inclined plane

- a. Both statement 1 and 2 are correct
- b. Statement 1 is incorrect but statement 2 is correct
- c. Both statement 1 and 2 are incorrect
- d. Statement 1 is correct but 2 is incorrect