

Lesson – 11 Simple Machines

1. Fill in the blanks

- i. A screw is a kind of _____.
- ii. Scissors is an example of _____ order of lever.
- iii. In the lever of first order, the _____ is in between the load and the effort.
- iv. A _____ is a wheel with a groove in its circular edge.
- v. A _____ is an inclined plane wrapped around a cylinder or a rod.
- vi. A _____ is a double inclined plane.
- vii. Objects that float, displace water _____ to their own weight.
- viii. The weight of an object in water is called its _____ weight.
- ix. The weight of an object in air is called its _____ weight.
- x. The upward push of water on a floating object is called _____ force.

2. Name the following

- i. Two examples of a wedge
a) _____ b) _____
- ii. Two examples of an inclined plane
a) _____ b) _____

- iii. Two examples of a lever of first order
a) _____ b) _____
- iv. Two examples of a lever of second order
a) _____ b) _____
- v. Two examples of a lever of third order
a) _____ b) _____

3. Write True or False

- i. Machine makes our work easier. []
- ii. A claw hammer is an example of lever of third order. []
- iii. A screw is a kind of inclined plane. []
- iv. Scissors is an example of the first order of lever. []
- v. The weight of an object in water is called its apparent weight. []