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Olympiads
#CRESTInnovator

CREST Science Olympiad (CSO) Worksheet *for* Class 4



Topic

Simple Machines



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Worksheet on Simple Machines

1. What is an example of an inclined plane in everyday life?

- a. A bicycle
- b. A hammer
- c. Stairs
- d. A pair of scissors

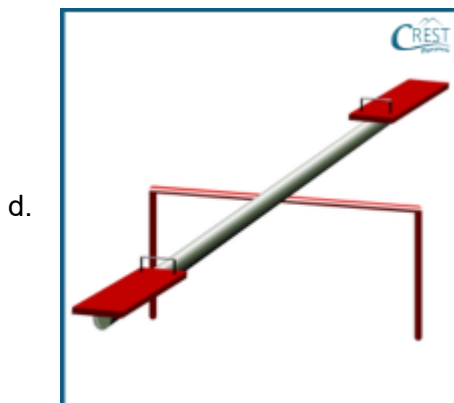
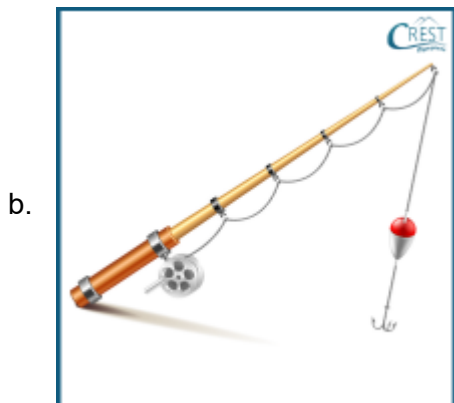
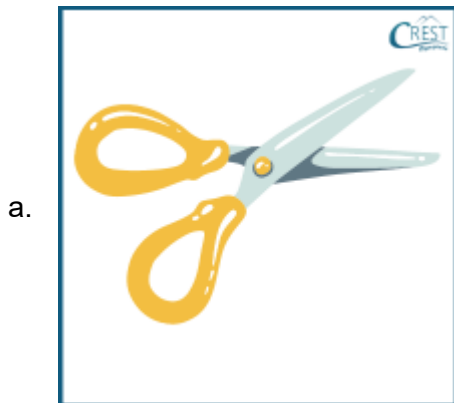
2. Choose the correct option that represents the type of simple machine used in the picture.



- a. Lever
- b. Inclined plane
- c. Wheel and axle
- d. Pulley



3. Which of the following is a third-class lever?



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4. Match the following.

	Column I		Column II
1.	Wheel and axle	A.	Flat surface that is higher on one end.
2.	Inclined plane	B.	A bar that helps us move heavy objects more easily.
3.	Lever	C.	Two cylinders that revolve around a common point.

- a. 1:C, 2:A, 3:B
- b. 1:C, 2:B, 3:A
- c. 1:B, 2:A, 3:C
- d. 1:A, 2:C, 3:B

5. Which simple machine is used by carpenters to split blocks of wood?

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

Answer Key

- 1. c - Stairs are an example of an inclined plane in everyday life. They consist of a flat surface set at an angle, allowing people to easily move between different levels of a building.
- 2. d - The pulley is used in the well to raise or lower the bucket, making it easier to draw water from the well.
- 3. b - A fishing rod is an example of a third-class lever where the effort is between the load and the fulcrum.
- 4. a -
Wheel and Axle: Two cylinders that revolve around a common point.
Inclined Plane: Flat surface that is higher on one end
Lever: A bar that helps us move heavy objects more easily.
- 5. c - A wedge is a triangular-shaped tool with a sharp edge that is used to separate or split objects.

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