

Pt. YadRam Secondary Public School

Bhajanpura Delhi- 110053

Worksheet 2026-2027

Class- 8th Science

Chapter- 5 Exploring Forces

Answer these questions

1. Define force. What are the different types of forces?
2. What is the difference between frictional force and electrostatic force?
3. Two balloons rubbed with a woollen cloth are brought near each other. What would happen and why?
4. When you drop a coin in a glass of water, it sinks. But when you place a bigger wooden block in water, it floats. Explain.
5. Why do we sometimes slip on smooth surfaces like ice or polished floors? Explain.
6. What is a spring balance?
7. State Archimedes' principle.
8. In the following situations, identify the agent exerting the force and the object on which it acts. State the effect of the force in each case:
 - A. Squeezing a piece of lemon between the fingers to extract its juice.
 - B. Taking out paste from a toothpaste tube.
 - C. A load suspended from a spring while its other end is on a hook fixed to a wall.
 - D. An athlete making a high jump to clear the bar at a certain height.
9. What are the non-contact forces? Explain with the help of one example each.
10. What is fluid friction?