

1. Define force. Give two examples from daily life.
2. State Newton's First Law of Motion and explain its relation to inertia.
3. What is momentum? Write its SI unit and give one numerical example.
4. Distinguish between balanced and unbalanced forces with examples.
5. Explain the term 'friction'. Mention two advantages and two disadvantages of friction.
6. State Newton's Third Law of Motion. Give two practical examples.
7. A boy pushes a box with a force of 20 N. If friction opposes the motion with 5 N, calculate the net force.
8. Give the differences between mass and weight. State their SI units.
9. What is gravitational force? Explain how it affects objects on Earth.
10. A body of mass 4 kg is moving with a velocity of 3 m/s. Calculate its momentum.