

Question Paper

Topic 1: Mechanics

Q1. What is the term used to describe the resistance an object has to change in its state of motion?

Velocity

Acceleration

Inertia

Friction

Answer: Inertia

Explanation: Inertia is the property of matter that causes it to resist changes in its state of motion.

Q2. Which of the following represents the force that acts in the opposite direction to the motion of an object?

Gravity

Tension

Friction

Magnetism

Answer: Friction

Explanation: Friction is the force that opposes the motion of an object when in contact with a surface.