

# Question Paper

## Topic 1: Mechanics

Q1. What is the term for the force that opposes motion between two surfaces in contact?

Gravity

Friction

Magnetism

Tension

Answer: Friction

Explanation: Friction is the force that opposes motion between two surfaces in contact.

Q2. Define velocity in the context of physics.

Answer: Velocity is the rate of change of an object's position with respect to time in a specific direction.

Explanation: Velocity is a vector quantity that includes both the speed and direction of an object's motion.