

Question Paper

Topic 1: Mechanics

Q1. What is the term for the force that resists the motion of an object?

Frictional force

Gravitational force

Magnetic force

Electric force

Answer: Frictional force

Explanation: Frictional force is the resistance force that opposes the motion or attempted motion of an object.

Q2. Define the term 'acceleration' in the context of mechanics.

Answer: Acceleration is the rate of change of velocity with respect to time.

Explanation: Acceleration is a vector quantity that measures how quickly an object's velocity is changing.