

Question Paper

Topic 1: Mechanics

Q1. What is the term used to describe the force that opposes the motion of an object?

Acceleration

Friction

Gravity

Inertia

Answer: Friction

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

Q2. Which of the following best describes the meaning of inertia?

Force that pulls objects towards each other

Force that opposes motion

Tendency of objects to resist changes in motion

Force exerted by a moving object

Answer: Tendency of objects to resist changes in motion

Explanation: Inertia is the tendency of objects to resist changes in their state of motion.