

Question Paper

Topic 1: Mechanics

Q1. What is the unit of measurement for speed in physics?

Meters

Kilograms

Meters per second

Newton

Answer: Meters per second

Explanation: Speed is typically measured in meters per second in physics.

Q2. Explain the concept of acceleration in physics.

Answer: Acceleration is the rate of change of velocity over time. It can be positive (speeding up), negative (slowing down), or zero (constant speed).

Explanation: Acceleration is a key concept in mechanics that describes how an object's velocity changes over time.