

Question Paper

Topic 1: Mechanics

Q1. Explain the concept of friction in physics.

Answer: Friction is a force that opposes the relative motion between two surfaces in contact. It acts in the opposite direction to the applied force.

Explanation: Friction is important in mechanics as it affects the motion of objects on surfaces.

Q2. What is the difference between static and kinetic friction?

Answer: Static friction occurs when there is no relative motion between surfaces, while kinetic friction occurs when there is relative motion between surfaces.

Explanation: Understanding the difference between static and kinetic friction is key to comprehending the behavior of objects on surfaces.