Waves Check Point EQ4: What Interactions Can Waves Undergo?

Multiple Choice

Directions: Type A, B, C, or D of the correct answer in the answer box

1. **What is reflection in relation to waves?**
   a) The bouncing of a wave after hitting a barrier
   b) The bending of waves around a barrier
   c) A change in the speed of a wave as it moves through a new medium
   d) The overlapping of two waves
2. **What is diffraction?**
   a) The change in direction of a wave when it changes speed
   b) The bending of waves around a barrier or through an opening
   c) The bouncing of a wave after hitting a barrier
   d) The increase in wave frequency
3. **What occurs when waves overlap?**
   a) Interference
   b) Reflection
   c) Refraction
   d) Resonance

True or False

Directions: Write T for true and F for false in the answer box.

Refraction happens when a wave bounces after hitting a barrier.

Resonance occurs when vibrations in three objects cause another object to become still.

LIVEWORKSHEETS