

Unit 15 Study Guide

Multiple Choice

Identify the letter of the choice that best completes the statement or answers the question.

1. A disturbance that transfers energy from place to place is called a
a. wave. c. vibration.
b. medium. d. compression.

2. The material through which a wave travels is called a
a. vibration. c. crest.
b. medium. d. trough.

3. Waves are created when a source of energy causes a medium to
a. move. c. expand.
b. compress. d. vibrate.

4. Waves are classified according to
a. their size. c. how they move.
b. their shape. d. their source.

5. Waves that move the particles of the medium parallel to the direction in which the waves are traveling are called
a. longitudinal waves. c. surface waves.
b. transverse waves. d. combination waves.

6. The maximum distance that the particles of a medium move from the rest position is the
a. amplitude of the wave. c. frequency of the wave.
b. wavelength of the wave. d. speed of the wave.

7. Frequency is measured in units called
a. amps. c. nodes.
b. hertz. d. antinodes.

8. When a wave hits a surface through which it CANNOT pass and bounces back, it undergoes
a. reflection. c. constructive interference.
b. refraction. d. destructive interference.

9. The bending of waves due to a change in speed is called
a. reflection. c. diffraction.
b. refraction. d. interference.

10. The bending of waves around the edge of a barrier is known as
a. reflection. c. diffraction.
b. refraction. d. interference.