

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.
 - b. medium.
 - c. vibration.
 - d. compression.
- _____ 2. The material through which a wave travels is called a
 - a. vibration.
 - b. medium.
 - c. crest.
 - d. trough.
- _____ 3. Waves are created when a source of energy causes a medium to
 - a. move.
 - b. compress.
 - c. expand.
 - d. vibrate.
- _____ 4. Waves are classified according to
 - a. their size.
 - b. their shape.
 - c. how they move.
 - 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.
 - b. transverse waves.
 - c. surface 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.
 - b. wavelength of the wave.
 - c. frequency of the wave.
 - d. speed of the wave.
- _____ 7. Frequency is measured in units called
 - a. amps.
 - b. hertz.
 - c. nodes.
 - d. antinodes.
- _____ 8. When a wave hits a surface through which it CANNOT pass and bounces back, it undergoes
 - a. reflection.
 - b. refraction.
 - c. constructive interference.
 - d. destructive interference.
- _____ 9. The bending of waves due to a change in speed is called
 - a. reflection.
 - b. refraction.
 - c. diffraction.
 - d. interference.
- _____ 10. The bending of waves around the edge of a barrier is known as
 - a. reflection.
 - b. refraction.
 - c. diffraction.
 - d. interference.