

Assessment

Section Quiz

Section: The Nature of Waves

Match the correct description with the correct term. Write the letter in the space provided.

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| _____ 1. a substance through which a wave can travel | a. transverse wave |
| _____ 2. the radiation associated with an electric radiation and magnetic field | b. electromagnetic radiation |
| _____ 3. any disturbance that transmits energy through matter or empty space | c. trough |
| _____ 4. the lowest point between each crest of a wave | d. medium |
| _____ 5. a repetitive back-and-forth motion of an object | e. vibration |
| _____ 6. the highest point of a transverse wave | f. wave |
| _____ 7. the transfer of energy as electromagnetic waves | g. crest |
| _____ 8. a wave in which the particles of the medium vibrate in an up-and-down motion | h. radiation |

Write the letter of the correct answer in the space provided.

- _____ 9. Waves transfer
- a. energy and matter
 - b. energy only
 - c. matter only
 - d. neither energy nor matter
- _____ 10. Which of the following types of waves requires a medium?
- a. visible light
 - b. X-rays
 - c. microwaves
 - d. sound waves