

Chapter 27

Use with Section 1

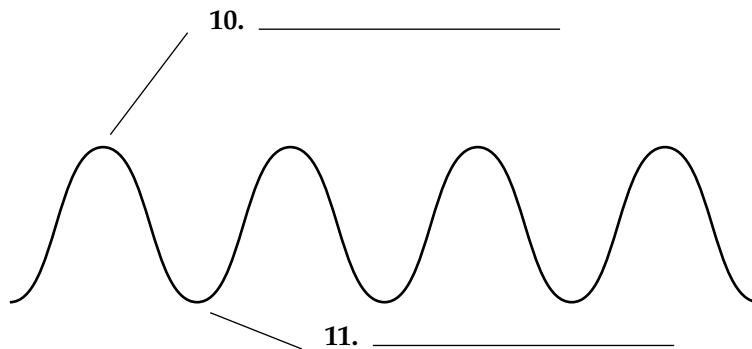
REINFORCEMENT**• What are waves?**

Write the kind or kinds of waves—mechanical, electromagnetic, transverse, or compressional—that apply to each term or description.

1. X rays _____
2. water waves _____
3. can travel only through a medium _____
4. transfers energy but not matter _____
5. has peaks and valleys _____
6. matter moves in same direction as wave travels _____
7. can travel through a vacuum _____
8. has areas where particles are spread out _____
9. matter moves at right angles to direction wave travels _____

Label each diagram and give an example of each kind of wave.

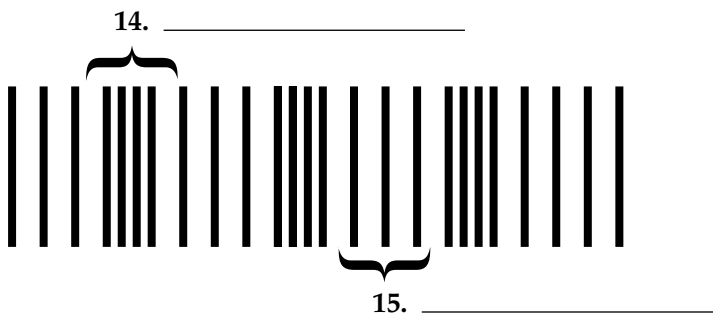
A.



12. _____ wave

13. Example: _____

B.



16. _____ wave

17. Example: _____