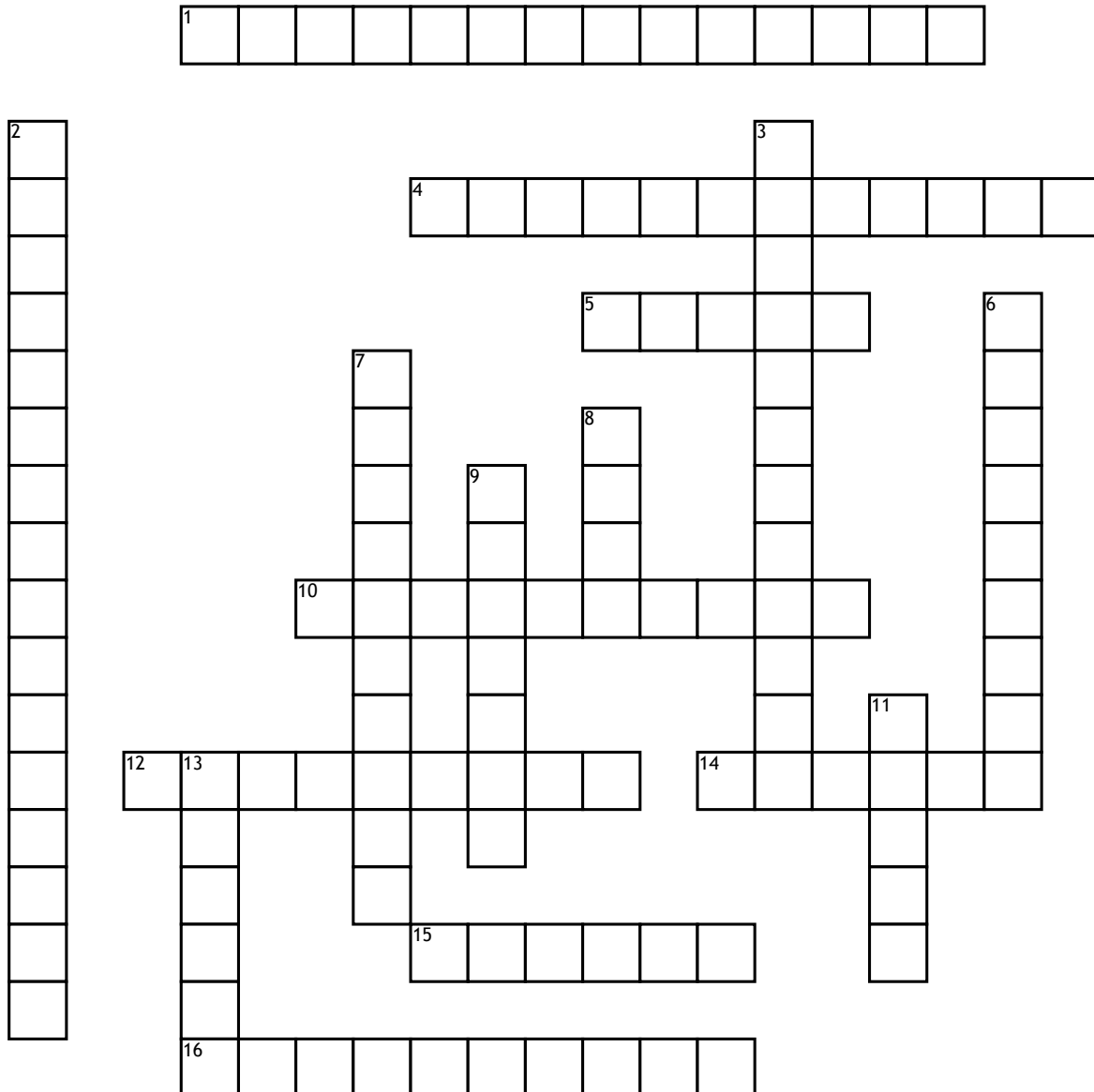


Chapter 4 - Science



Across

- 1. In a _____, matter in the medium moves up and down perpendicular to the direction that the wave travels.
- 4. What kind of wave is visible to the human eye ?
- 5. Frequency is measured in units called what?
- 10. What is the distance between crest to crest or trough to trough?
- 12. _____ is the height of a wave crest or depth of a wave trough.

- 14. What is the capacity to apply a force over a distance?
 - 15. What is the lowest point in a wave?
 - 16. What occurs when a light wave strikes an object and bounces off?
- Down**
- 2. What is it called when matter in a medium moves back and forth along the same direction that the wave travels?
 - 3. The dotted centre line between the trough and the crest is called the _____.

- 6. _____ is the number of repetitive motions that occur in a given time?
- 7. _____ is the bending or changing direction of a wave as it passes from one material to another.
- 8. What do you call a disturbance or movement that transfers energy through matter?
- 9. What does the matter of the waves travel through?
- 11. What is the highest point in a wave?
- 13. What do waves transfer upward and downward?