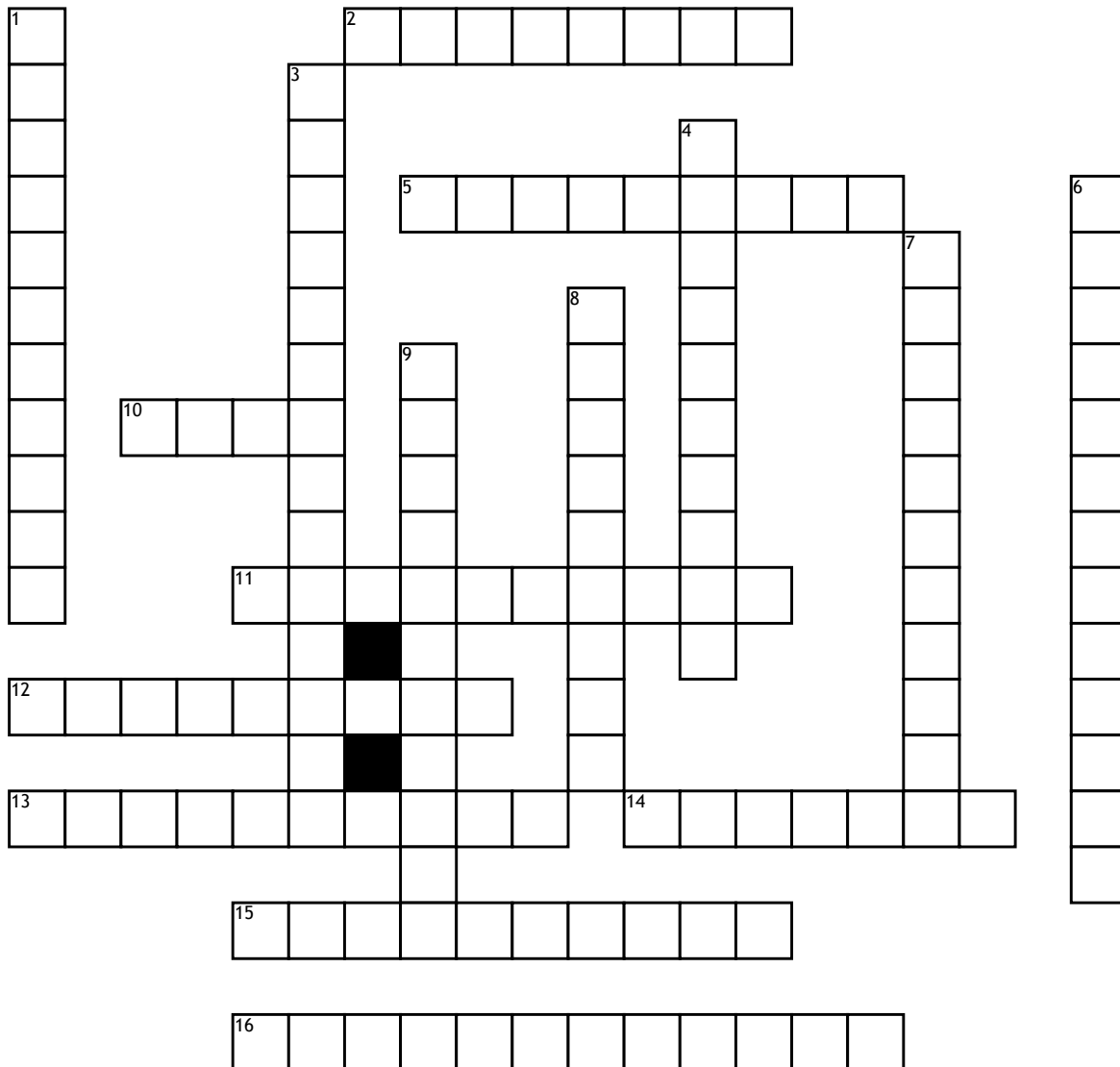


waves and sound



Across

2. a weight hung from a fixed point so that it can swing freely, especially a rod with a weight at the end that regulates the mechanism of a clock.

5. Numbers of oscillation in one second

10. A movement up and down or back and forth

11. Bending of waves travel along the surface separating two media

12. Waves passing through an object

13. The time taken for one oscillation

14. a reduction in the amplitude of an oscillation as a result of energy being drained from the system to overcome frictional or other resistive forces.

15. The distance between two consecutive crests or trough

16. the action of interfering or the process of being interfered with.

Down

1. When a wave moves past a corner in its medium naturally folds or flows around the corner

3. The particles more perpendicular to each other

4. 5. The bounding back of wave after hitting the surface

6. an increase (or decrease) in the frequency of sound, light, or other waves as the source and observer move towards (or away from) each other.

7. One to and fro movement

8. how fast an object moves

9. The waves partly or completely cancel as they pass