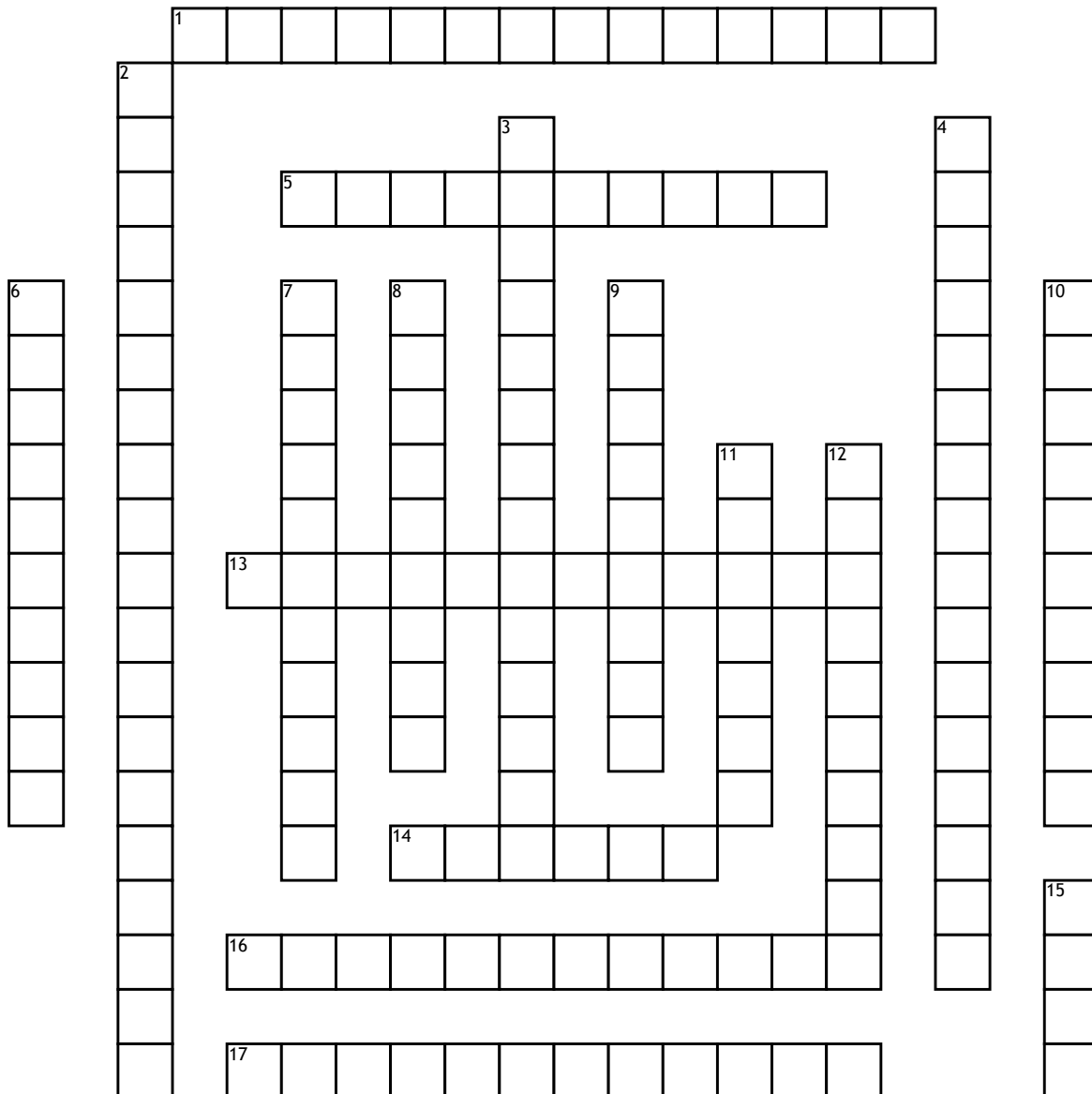


Name: _____

Date: _____

waves



Across

- 1. a wave in which the disturbance is perpendicular to the direction the wave travels
- 5. the bouncing of a wave off a surface
- 13. the regions of a longitudinal wave where the particles are farthest apart
- 14. the highest points on a transverse wave
- 16. the passage of light through an object
- 17. the regions of a longitudinal wave where the particles in the medium are closest together

Down

- 2. a wave that can travel through empty space and through matter
- 3. a wave that can travel only through matter
- 4. makes the particles in a medium move parallel to the direction that the wave travels
- 6. the change in direction of a wave that occurs as the wave changes speed when moving from one medium to another
- 7. a change in direction of the wave when it travels by the edge of an object or through an opening

- 8. the number of wavelengths that pass by a point each second
- 9. the maximum distance that the wave moves from its rest position
- 10. the distance from one point on a wave to the same point on the next wave
- 11. the lowest points on a transverse wave
- 12. the transfer of energy by a wave to the medium through which it travels
- 15. a disturbance that transfers energy from one place to another without transferring matter