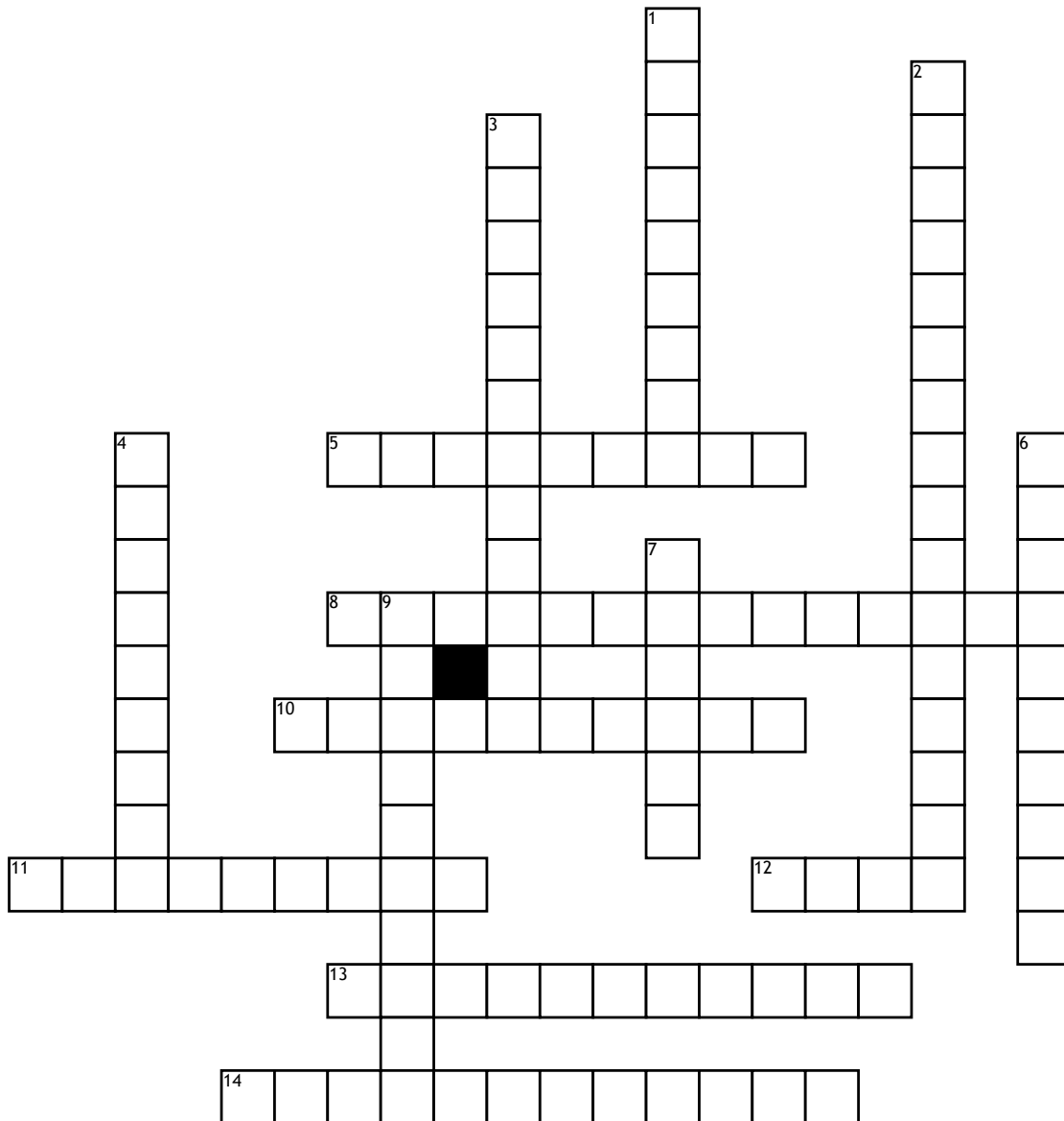


Name: _____

Waves



Across

5. The speed at which a wave travels
8. A wave in which the particles of the wave's medium vibrate perpendicular to the direction the wave is traveling
10. The bouncing back of a wave after it strikes a barrier or an object
11. The number of waves produces in a given amount of time
12. A disturbance that transmits energy through matter or space
13. The bending of waves around a barrier or through an opening

14. A wave that forms a stationary pattern in which portions of the wave do not move and other portions move with a large amplitude

Down

1. The maximum distance a wave vibrates from its rest position
2. A wave in which the particle of the medium vibrate back and forth along the path that the waves travel
3. A wave interaction that occurs when two or more waves overlap

4. What occurs when an object vibrating at or near a resonant frequency of a second object to vibrate
6. The distance between one point on a wave and the corresponding point on an adjacent wave in a series of waves
7. A substance through which a wave can travel
9. The bending of a wave as it passes at an angle from one medium to another