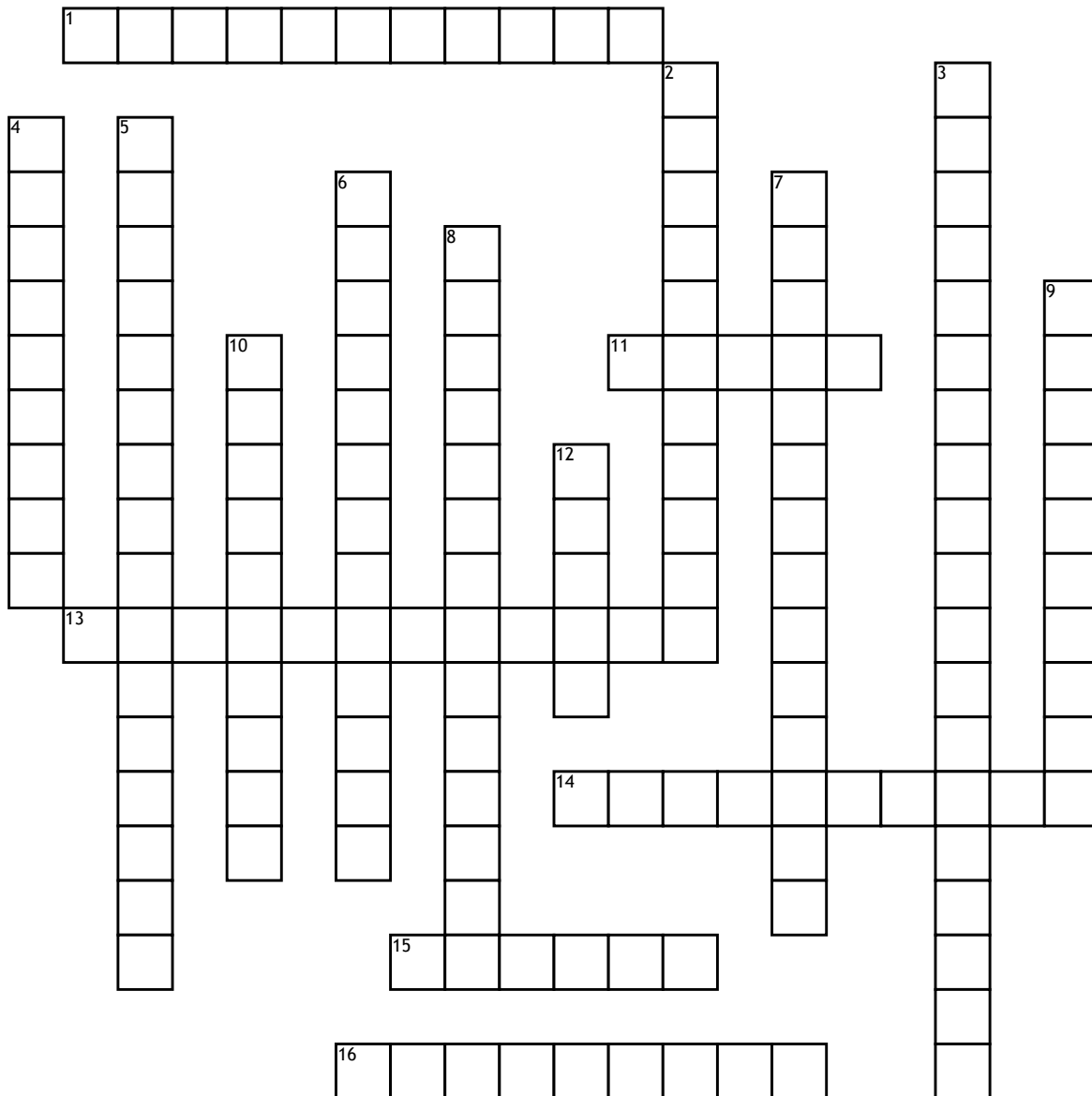


Name: _____

Science Vocab



Across

1. A change in the direction of a wave when the wave finds an obstacle or an edge, such as an opening
11. Electromagnetic radiation within a certain portion of the electromagnetic spectrum
13. The combination of two or more waves that results in a single wave
14. The bending of a wave as the wave passes between two substances in which the speed of the wave differs
15. A physical environment in which phenomena occur

16. The number of waves produced in a given amount of time

Down

2. An elastic wave in the earth produced by an earthquake or by other means
3. A wave that consists of electric and magnetic fields that vibrate at right angles to each other
4. The maximum distance that the particles of a wave's medium vibrate from their rest position
5. A wave in which the particles of the medium vibrate parallel to the direction of wave motion
6. An observed change in the frequency of a wave when the source or observer is moving
7. A wave that is the movement of matter
8. A wave in which the particles of the medium move perpendicularly to the direction the wave is traveling
9. The bouncing back of a ray of light, sound, or heat when the ray hits a surface that it does not go through
10. The distance from any point on a wave to an identical point on the next wave
12. Vibrations that you can hear