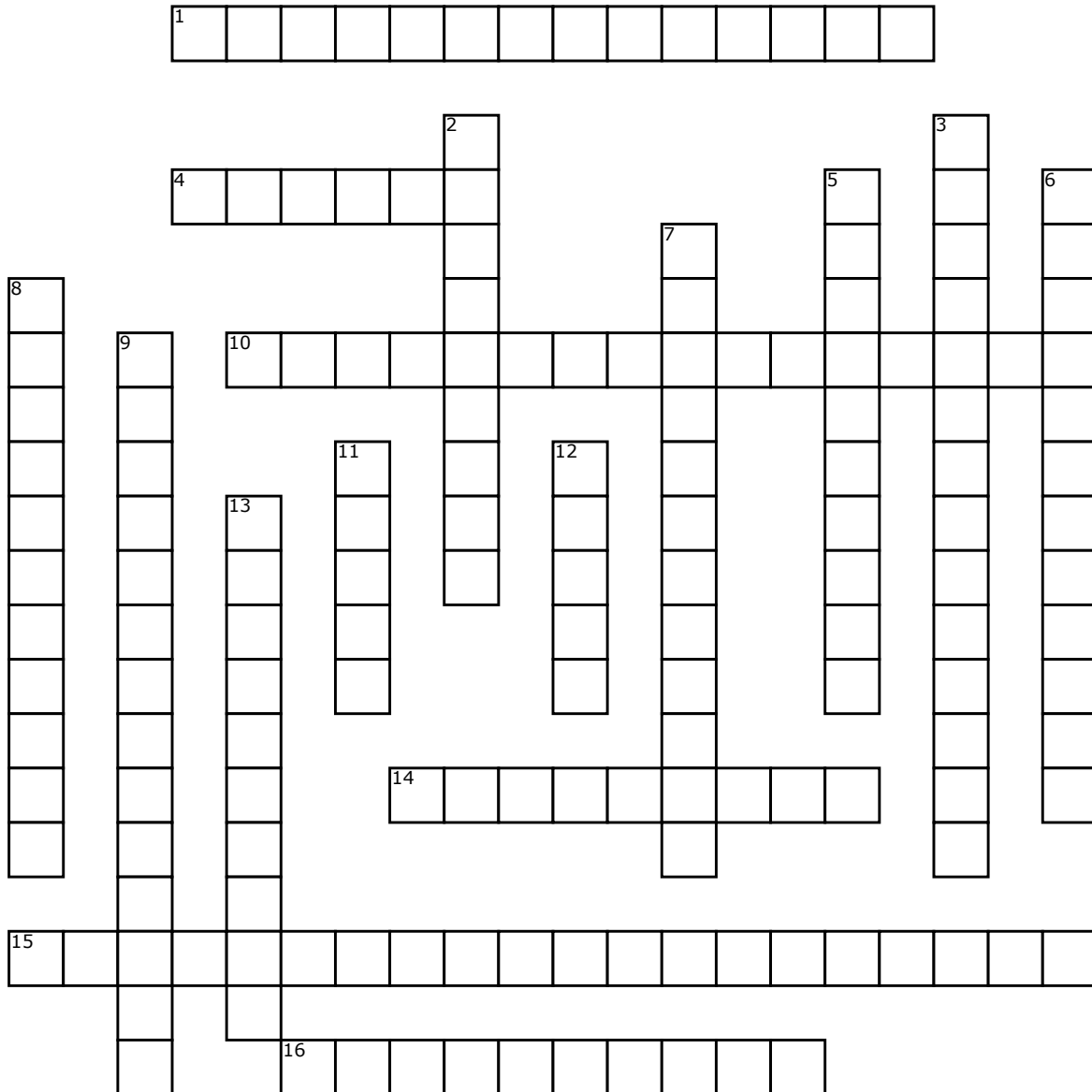


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# WAVES



### **Across**

- 1.** a wave in which the particles of the medium move perpendicular to the direction the wave is traveling
- 4.** a physical environment in which phenomena occur
- 10.** a wave in which the particles of the medium vibrate parallel to the direction of wave motion
- 14.** the number of waves produced in a given amount of time
- 15.** a wave that consists of electric and magnetic fields that vibrate at right angles to each other

**16.** the bending of a wave as the wave passes between 2 substance of the wave differs

### **Down**

- 2.** the max distance that the particles of a wave's medium vibrate from their rest position
- 3.** a wave that requires a medium through which travels
- 5.** the bouncing back of a ray of light, sound, or heat when the ray hits a surface that it does not go through
- 6.** the combination of 2 or more waves that results in a single wave
- 7.** an elastic wave in the earth produced an earthquake or other means

**8.** a change in the direction of a wave when the wave finds an obstacle of an erge such as an opening

- 9.** an observed the change in the frequency of a wave when the source of observer is moving
- 11.** the natural agent that stimulated sight and makes things visible
- 12.** a longitudinal wave that is caused by vibrations and htat travels through a material medium
- 13.** the distance from any point on a wave to an identical point on the next wave