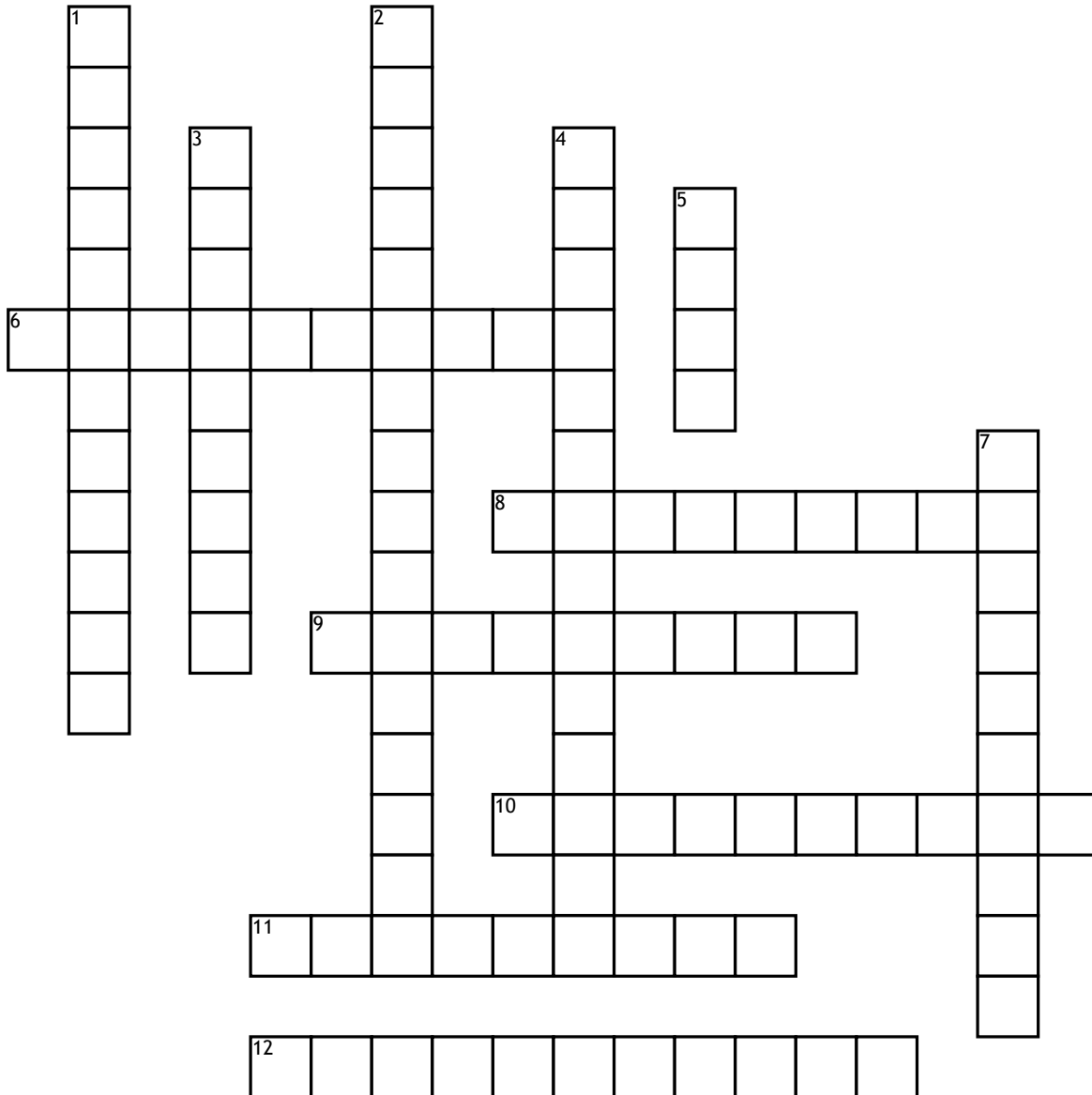


Name: \_\_\_\_\_

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

# waves



## Across

**6.** The bouncing back of a ray of light, sound, or heat when the ray hits a surface that it does not go through

**8.** A phenomenon that occurs when two objects naturally vibrate at the same frequency; the sound produced by one object causes the other object to vibrate

**9.** The speed at which a wave travels through a medium

**10.** The distance from any point on a wave to an identical point on the next wave

**11.** The number of waves produced in a given amount of time

**12.** A change in the direction of a wave when the wave finds an obstacle or an edge, such as an opening

## Down

**1.** An observed change in the frequency of a wave when the source or observer is moving

**2.** A wave in which the particles of the medium vibrate parallel to the direction of wave motion

**3.** The maximum distance that the particles of a wave's medium vibrate from their rest position

**4.** A wave in which the particles of the medium move perpendicularly to the direction the wave is traveling

**5.** A periodic disturbance in a solid, liquid, or gas

**7.** The bending of a wave as the wave passes between two substances in which the speed of the wave differs