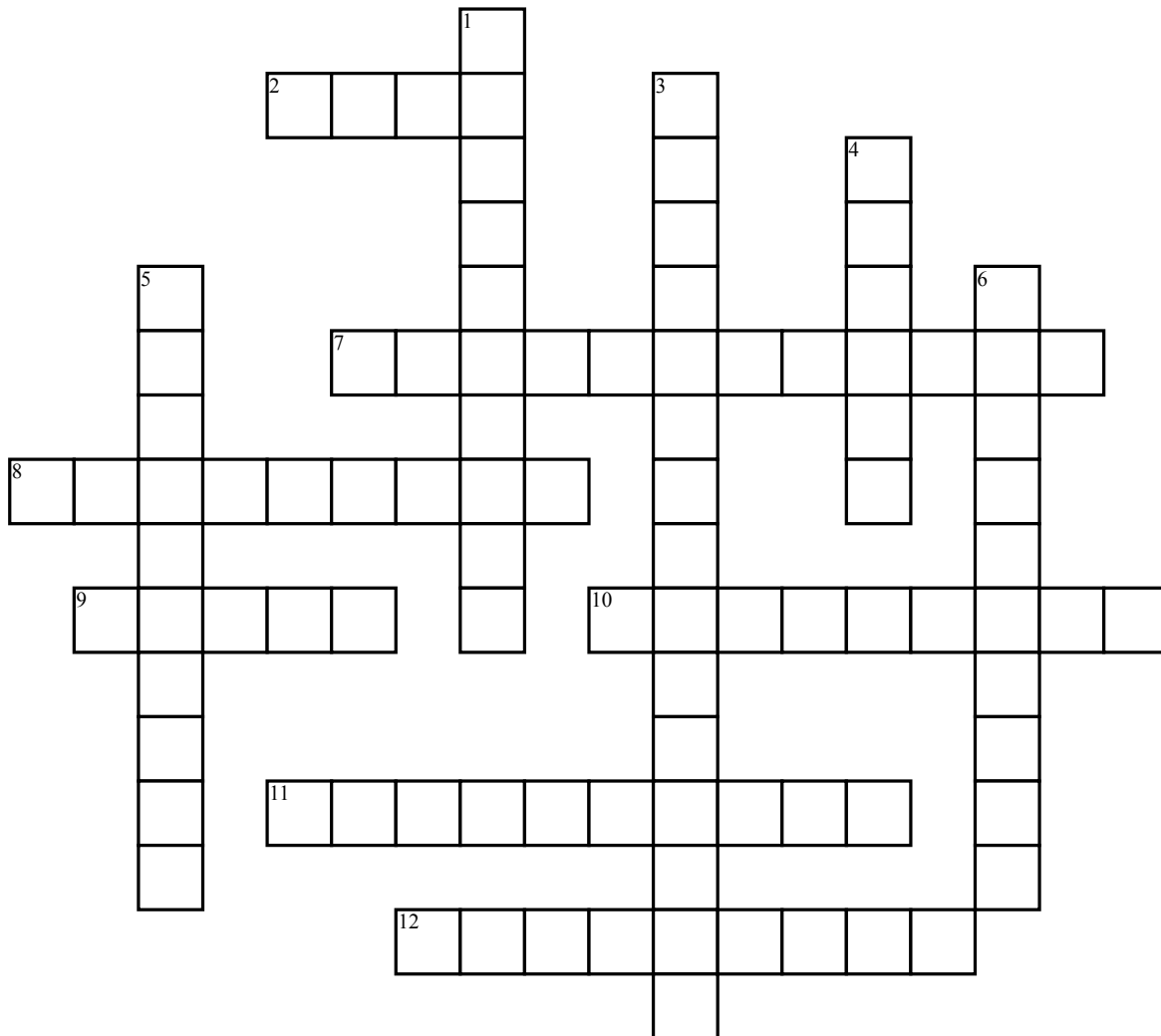


# Waves



## Across

**2.** a disturbance that transfers energy from one place to another

**7.** particles move back and forth in the same direction that the wave travels, \_\_\_\_\_ wave

**8.** how many cycles occur in an amount of time

**9.** how frequency is expressed

**10.** the speed at which a wave travels

**11.** particles move perpendicularly to the direction that the wave travels, \_\_\_\_\_ wave

**12.** a measure of how far the particles in the medium move away from their normal rest position

## Down

**1.** a wave that requires a medium through which to travel is a \_\_\_\_\_ wave

**3.** a disturbance in electric and magnetic fields is a \_\_\_\_\_ wave

**4.** a material through which a wave travels

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

**6.** the time required for one cycle