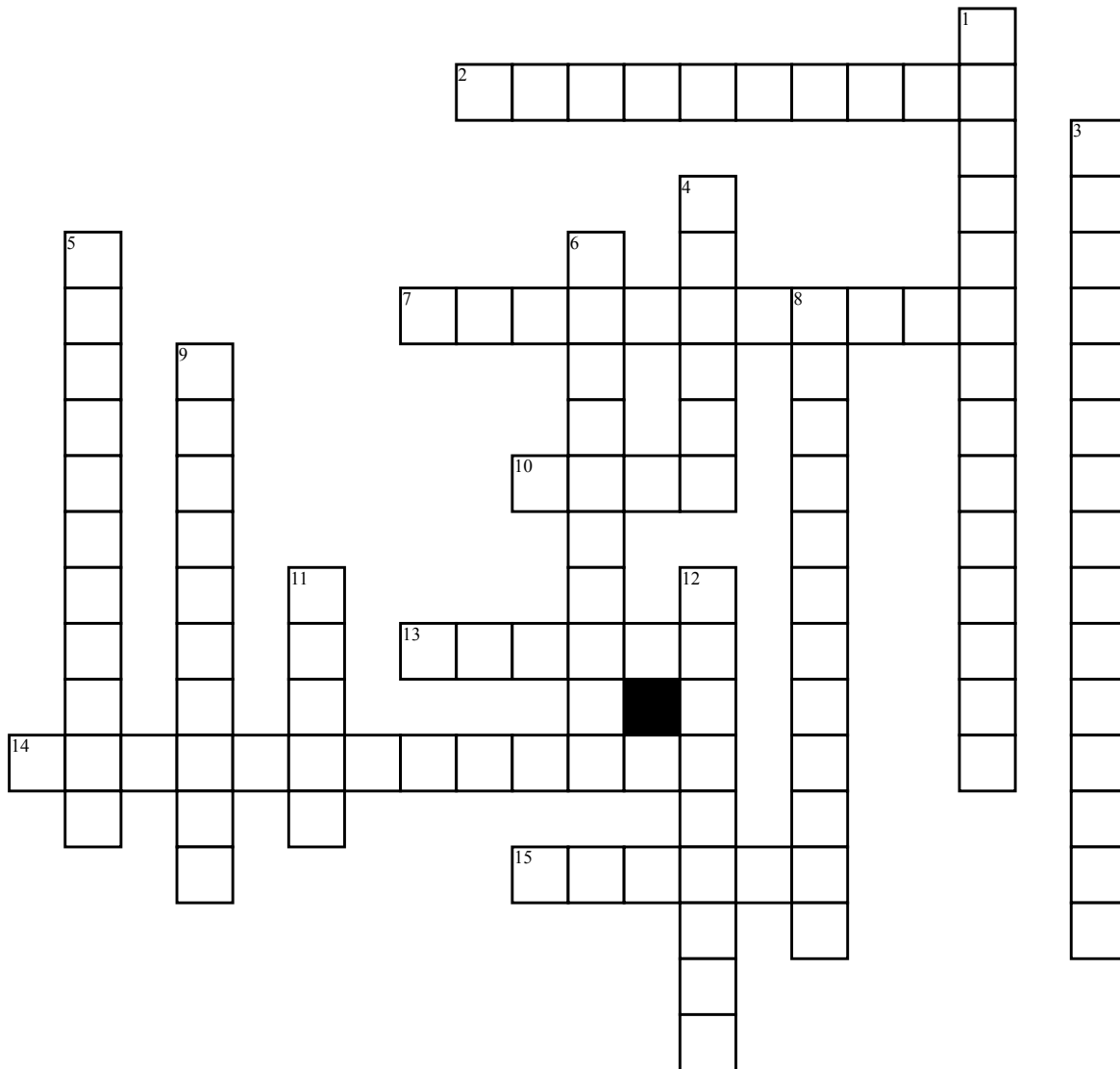


# Unit 4: Waves



## Across

**2.** a wave moving in a perpendicular manner

**7.** reduction of wave's density

**10.** vibration moving back and forth

**13.** energy that lets waves or vibrations travel

**14.** a wave moving in a parallel manner

**15.** particle representing electromagnetic radiation

## Down

**1.** consists of transverse, longitudinal and surface waves

**3.** when a electric field couples with a magnetic field

**4.** not transparent or translucent

**5.** in longitudinal wave where particles are closer together

**6.** changed direction in light due to passing through different mediums

**8.** transparent, letting light pass through

**9.** distance between two crests of a wave

**11.** unit of frequency

**12.** amount of energy of a wave measured from the resting line