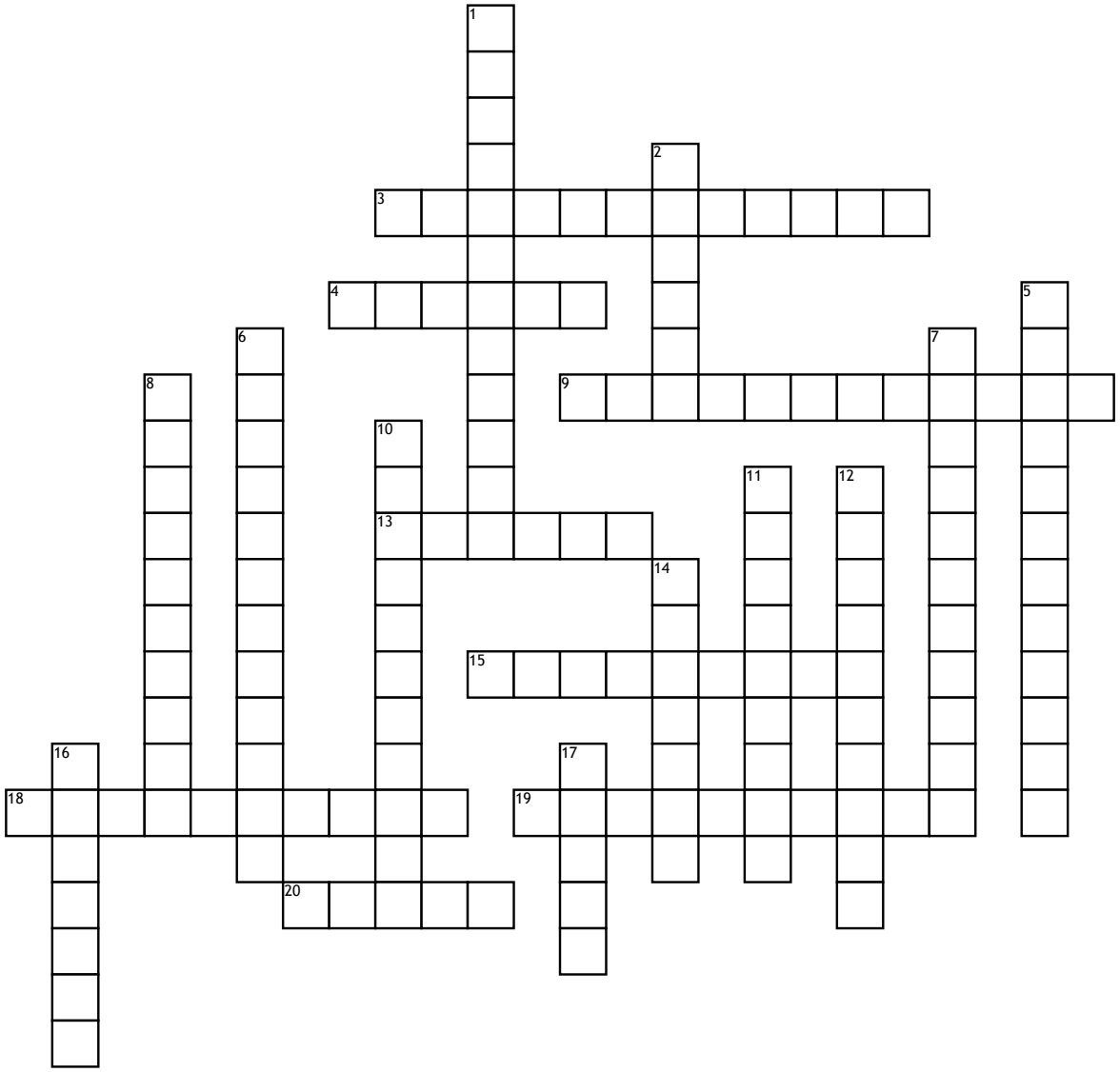
Name: _____ Date: _____

# Intro to Properties of Waves



**Across**

**3.** interaction between two waves that meet

**4.** the lowest point of a wave

**9.** areas where coils of a spring are closest together

**13.** waves with greater amplitude have greater _____.

**15.** The height of a wave from the origin to the crest

**18.** waves created when a source of energy causes a medium to vibrate

**19.** occurs when a wave enters a new medium at an angle

**20.** The highest point of a wave

**Down**

**1.** Type of interference in which energy of the combined waves is greater than the energy of each of the two waves

**2.** The material through which a wave travels

**5.** waves that move the particles of the medium parallel to the direction in which the waves are traveling

**6.** Areas where the coils in spring are farthest apart

**7.** the bending of waves around the edge of a barrier

**8.** The distance between two adjacent crests or troughs of a wave

**10.** wavelength x frequency (3 words)

**11.** The number of wave cycles that pass a given point per unit of time

**12.** when a wave hits a surface through which it cannot pass and bounces back

**14.** longitudinal seismic waves

**16.** waves produced by earthquakes

**17.** Frequency is measured in these units