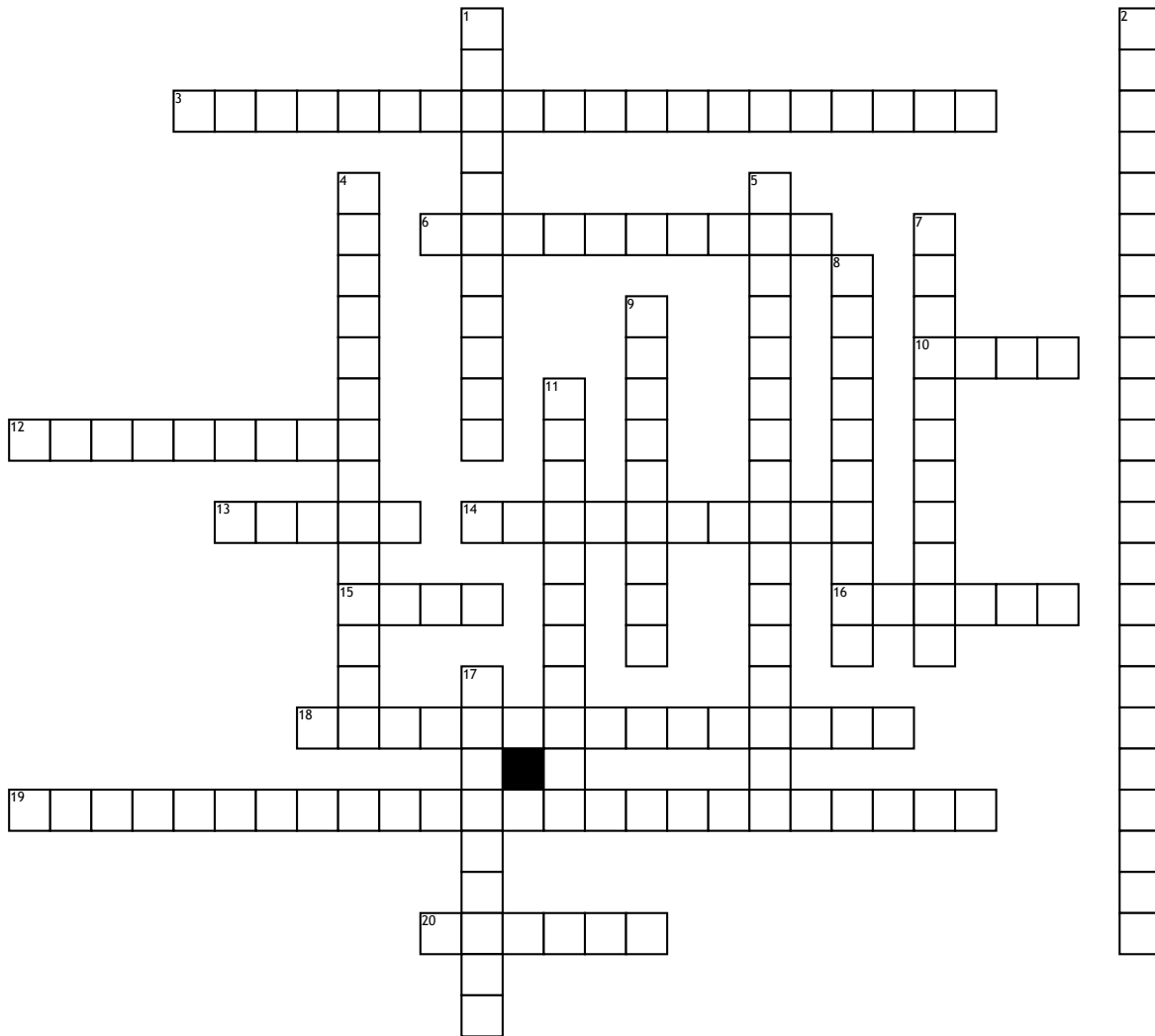


Name: \_\_\_\_\_

# Waves vocab



## Across

3. one of the waves that are propagated by simultaneous periodic variations of electric and magnetic field intensity and that include radio waves, infrared, visible light, ultraviolet, X-rays, and gamma rays.
6. the fact or phenomenon of light, radio waves, etc., being deflected in passing obliquely through the interface between one medium and another or through a medium of varying density.
10. a sound or series of sounds caused by the reflection of sound waves from a surface back to the listener.
12. the maximum extent of a vibration or oscillation, measured from the position of equilibrium.
13. the highest part of a wave
14. the throwing back by a body or surface of light, heat, or sound without absorbing it.

15. a long body of water curling into an arched form and breaking on the shore.
16. the lowest part of a wave
18. a wave that is an oscillation of matter, and therefore transfers energy through a medium
19. the interference of two or more waves of equal frequency and phase, resulting in their mutual reinforcement and producing a single amplitude equal to the sum of the amplitudes of the individual waves.
20. about halfway between two extremes of size or another quality; average.

## Down

1. the act of being pressed together
2. the interference of two waves of equal frequency and opposite phase, resulting in their cancellation where the negative displacement of one always coincides with the positive displacement of the other

4. a wave vibrating at right angles to the direction of its propagation.
5. a wave vibrating in the direction of propagation.
7. diminution in the density of something, especially air or a gas.
8. the distance between successive crests of a wave, especially points in a sound wave or electromagnetic wave.
9. the rate at which a vibration occurs that constitutes a wave, either in a material (as in sound waves), or in an electromagnetic field
11. the process by which a beam of light or other system of waves is spread out as a result of passing through a narrow aperture or across an edge
17. the speed at which a wave travels