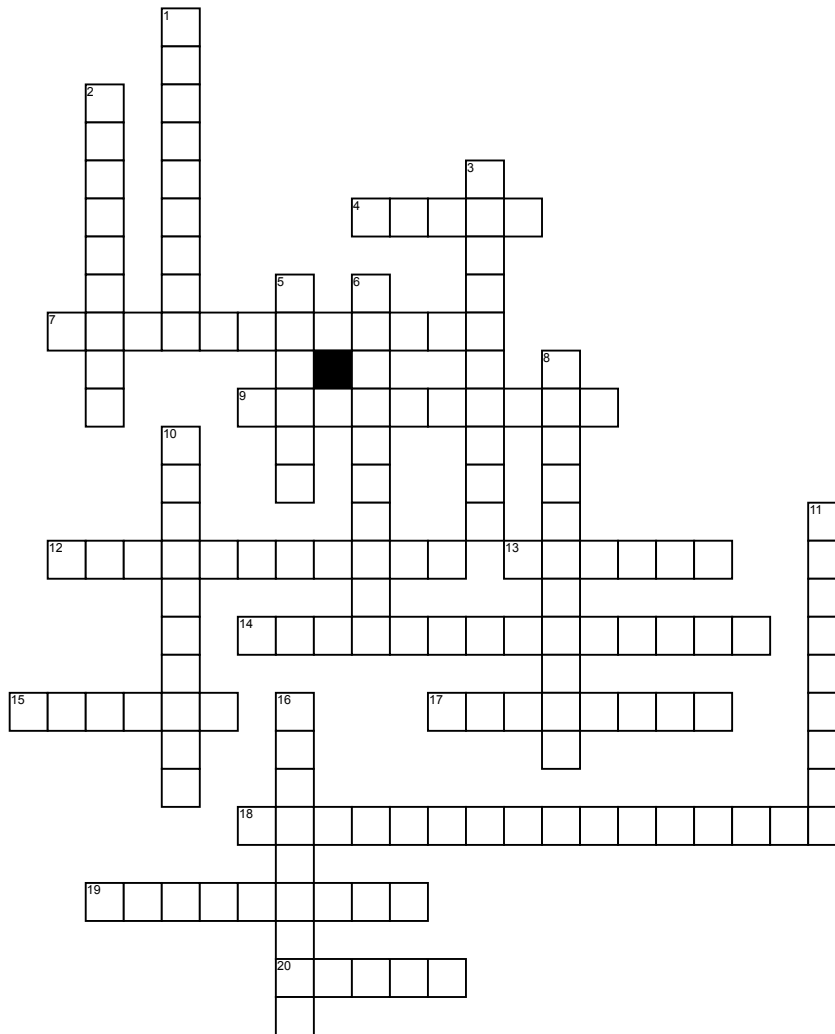


waves unit



Across

4. a repeating motion that travels through a medium
 7. ves add) or destructive (cancel each other out either partially or completely) 15. a repeating motion that
 9. The spreading and bending of waves as they move around.
 12. part of a longitudinal wave where the particles in the medium are spread apart
 13. substance through which point waves can travel.
 14. a wave in which the motion of the medium is perpendicular to the direction of the wave
 15. The lowest part of a wave.

17. the number of wave per second
 18. wave in which the motion of the medium is in the same direction as the wave
 19. What happens when two waves interact - can either be constructive (waves add) or destructive (cancel each other out either partially or completely)
 20. he highest part of a wave

Down

1. the height of a wave
 2. the number of times something occurs in a given period of time
 3. Bouncing of a wave by a surface the waves cannot pass trough

5. the time required for one full wave to pass a location
 6. change in speed and direction of a wave as it passes at an angle between media of different densities
 8. part of a longitudinal wave where the particles in the medium are pushed together
 10. the distance between neighboring crests, neighboring troughs,
 11. he distance between neighboring crests, neighboring troughs, or any other neighboring equivalent points of a wave
 16. What happens when two waves interact - can either be constructive

Word Bank

- | | | | | |
|-------------|-------------|-----------------|------------------|------------|
| wavepluse | compression | frequency | Reflection | waves |
| diffraction | Trough | crest | velocity | medium |
| resonance | period | transverse wave | longitudinalwave | resonance |
| rarefaction | wavelength | amplitude | interference | refraction |