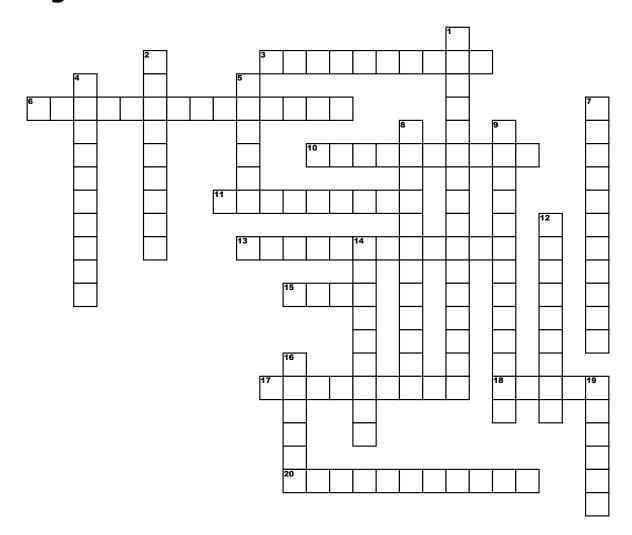
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Physics Wave Crossword Puzzle



Across

- 3. deflection (bouncing) of a wave by a surface the wave cannot pass through; echos, mirror images, etc.
- **6.** a wave in which the motion of the medium is perpendicular to the direction of the wave
- 10. the bending (change in speed and direction) of a wave as it passes at an angle between media of different densities
- 11. the maximum distance a point is moved from its rest position when a wave passes through
- 13. What happens when two waves interact can either be constructive (waves add) or destructive (cancel each other out either partially or completely)
- **15.** a repeating motion that travels through a medium

- 17. What happens when two waves interact can either be constructive (waves add) or destructive (cancel each other out either partially or completely)
- 18. the highest part of a wave
- 20. the spreading and bending of waves as they move around a barrier or pass through an opening

Down

- 1. wave in which the motion of the medium is in the same direction as the wave
- 2. A pulse is a single disturbance that moves through a medium from one point to the next point
- 4. the distance between neighboring crests, neighboring troughs, or any other neighboring equivalent points of a wave
- 5. substance through which waves can travel; plural of medium is media

- 7. part of a longitudinal wave where the particles in the medium are pushed together
- 8. part of a longitudinal wave where the particles in the medium are spread apart
- 9. the change in frequency of a wave (or other periodic event) for an observer moving relative to its source
- 12. the distance a wave travels in a given amount of time; equal to the product of a wave's frequency (f) and its wavelength (λ)
- 14. the number of times something occurs in a given period of time
- **16.** the time required for one full wave to pass a location
- 19. the lowest part of a wave