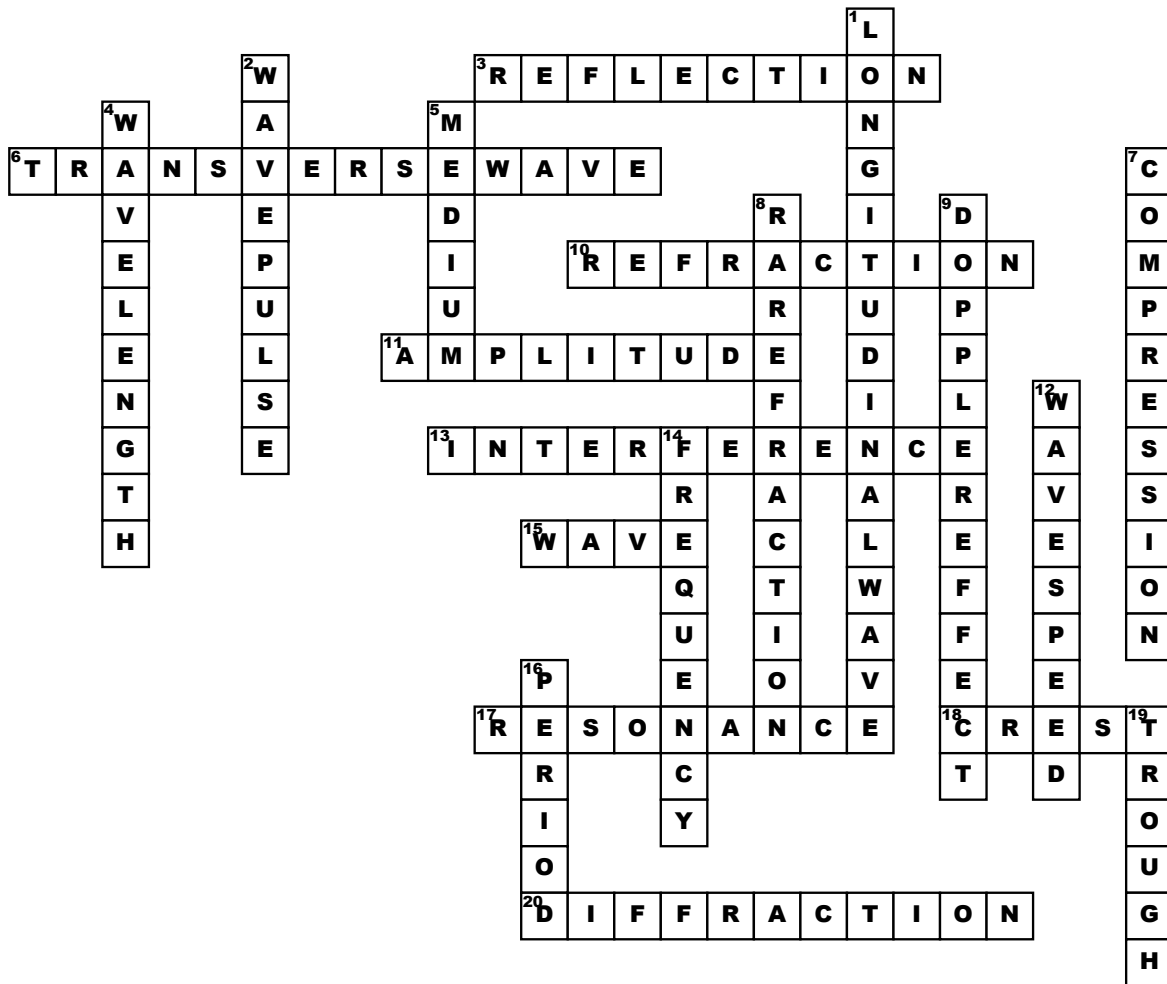


Name: _____ Date: _____ Period: _____

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