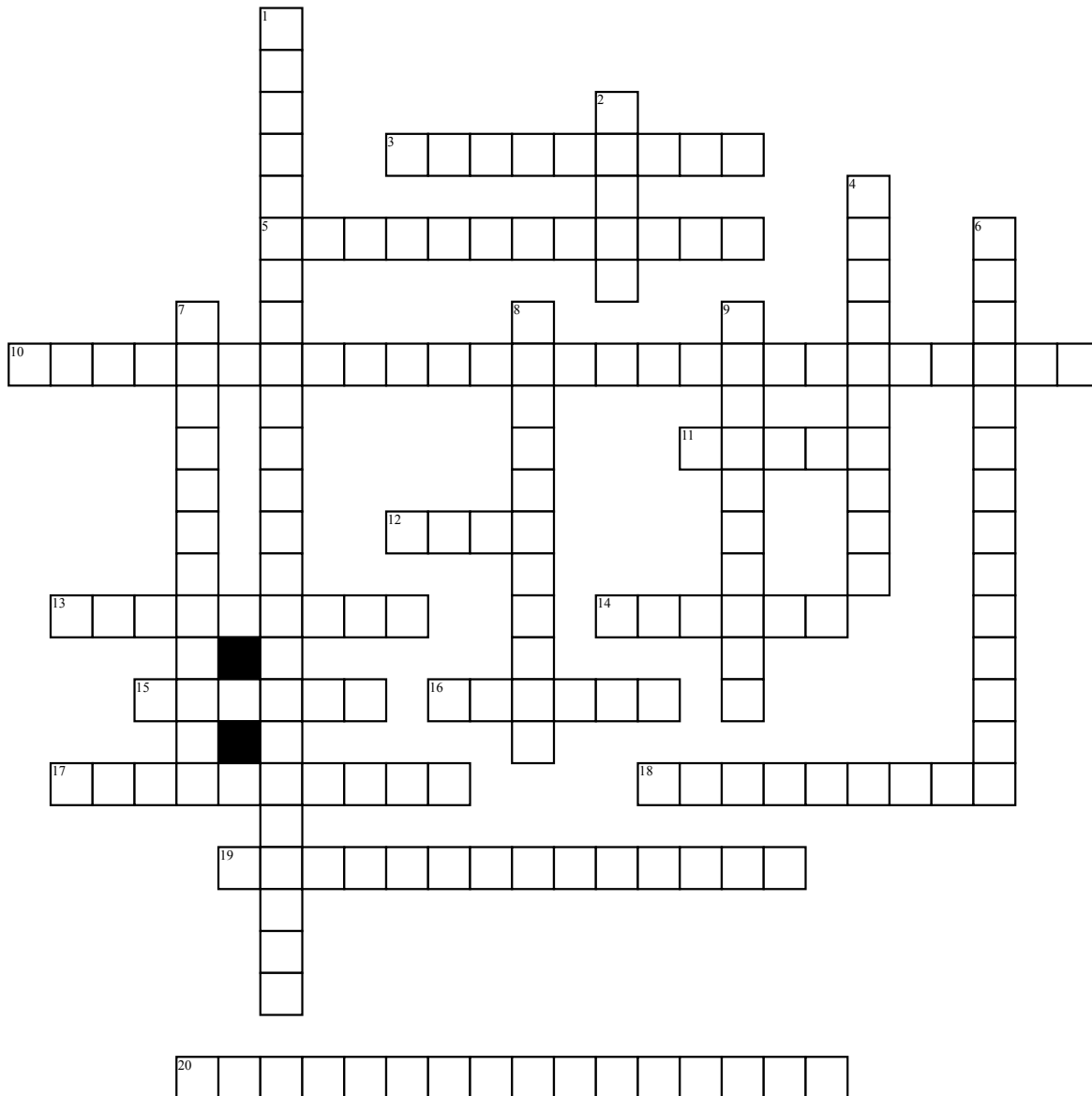


Name: \_\_\_\_\_

Date: \_\_\_\_\_

Period: \_\_\_\_\_

# Characteristics of Waves



## Across

3. The number of complete waves that pass a given point in a certain amount of time  
 5. The part of a longitudinal wave where particles of the medium are far apart  
 10. The interference that occurs when two waves combine to make a wave with an amplitude smaller than the amplitude of either of the individual waves  
 11. The highest part of a transverse wave  
 12. A disturbance that transfers energy from place to place  
 13. A repeated back-and-forth or up-and-down motion  
 14. The material in which a wave travels through  
 15. The ability to do work or cause change

16. The lowest part of a transverse wave  
 17. The distance between two corresponding parts of a wave, such as the distance between two crests  
 18. The height of a transverse wave from the center to a crest or trough  
 19. A wave that requires a medium through which to travel through  
 20. A wave that moves the medium in a direction parallel to the direction in which the wave travels

## Down

1. The inference that occurs when two waves combine to make a wave with amplitude larger than the amplitude of either of the individual waves  
 2. The unit of measurement for frequency

4. The bouncing back of a object or a wave when it hits a surface through which it cannot pass  
 6. A wave that moves through a medium at right angles to the direction in which the wave travels  
 7. The interaction between waves that meet  
 8. Stress that squeezes until it folds or breaks  
 9. The bending of waves as they enter a new medium at an angles, caused by a change in speed