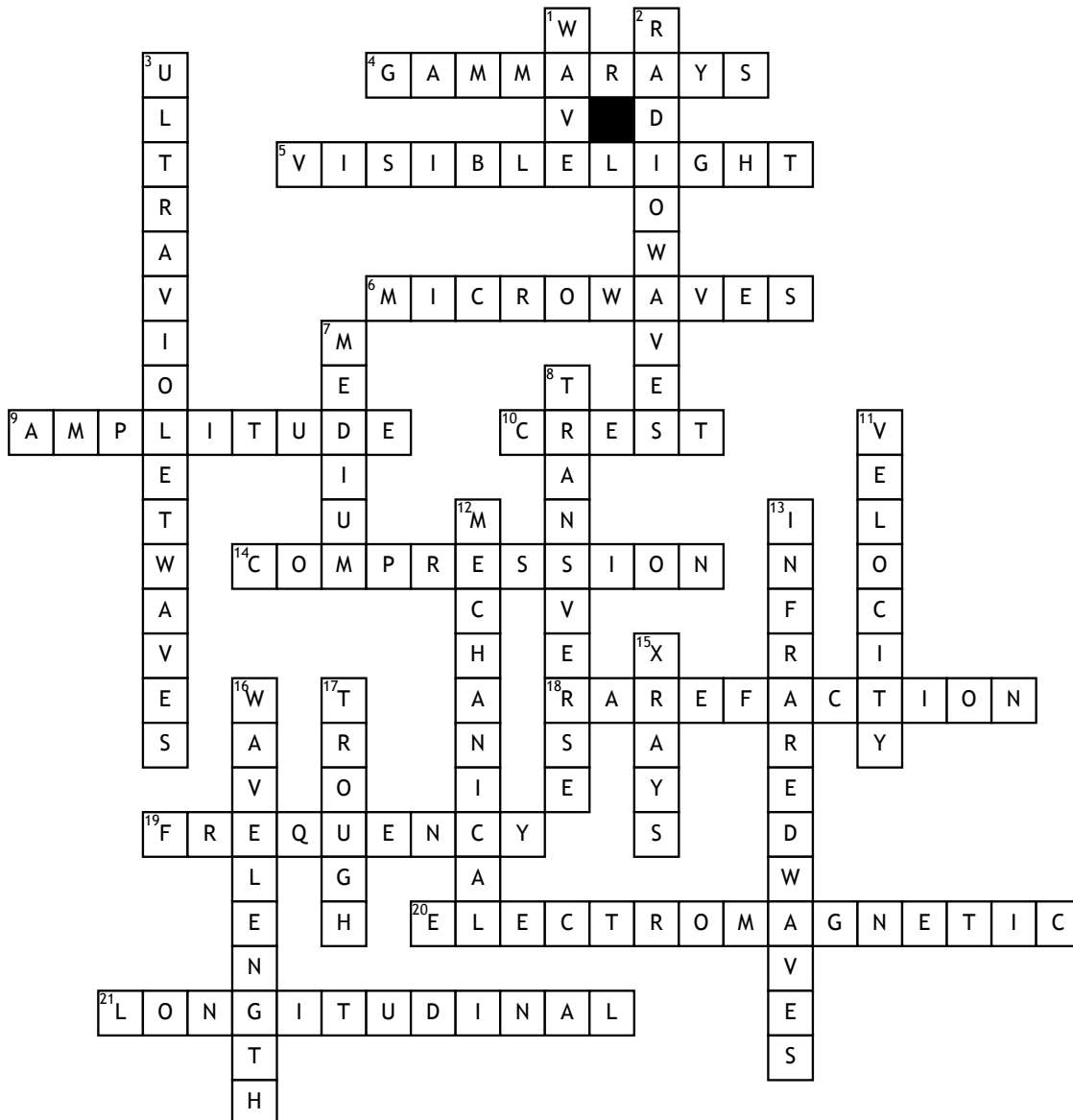


Name: \_\_\_\_\_

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

# Waves



## Across

4. Blocked from the earth's surface by the atmosphere  
 5. The only portion that can be seen by the human eye  
 6. Used for communication, medicine, and consumer use  
 9. Maximum distance by a point on the wave measured from its equilibrium position  
 10. Tallest point of a wave  
 14. Particles are close together  
 18. Particles are far apart  
 19. Number of waves passing a point in one second

20. Can be transferred through a vacuum

21. Moves in the same direction as the wave's motion

## Down

1. A rhythmic disturbance that carries energy through matter or space  
 2. Low energy waves with the longest wavelength  
 3. Can cause skin cancer and blindness in humans  
 7. Material through which a wave transfers energy

8. Medium vibrates perpendicular to the direction of wave motion

11. Speed of a wave as it moves forwards

12. Must travel through a medium

13. Invisible electromagnetic waves detected as heat

15. Used in medicine, industry and astronomy

16. Distance between successive crests of a wave

17. Lowest point of a wave