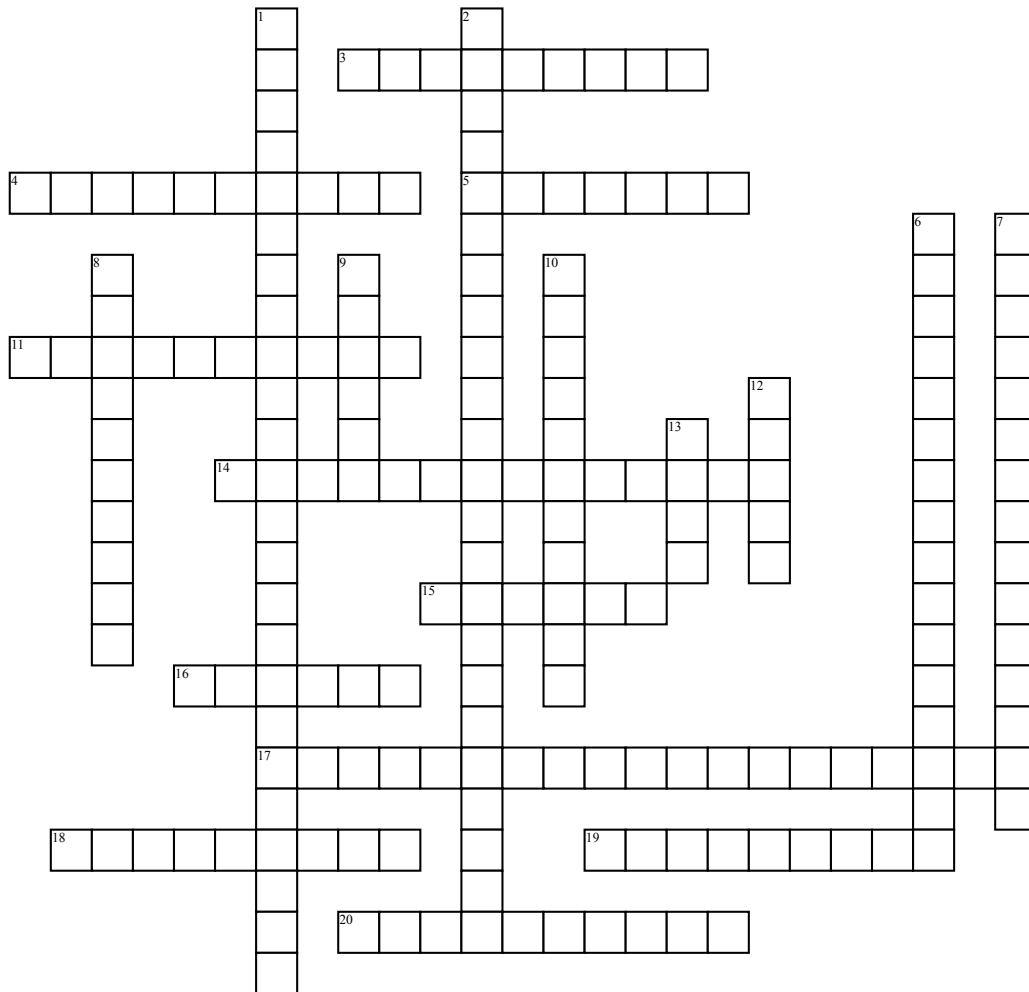


# Science Vocabulary Crossword Puzzle



## Across

3. frequency x wavelength  
 4. when a wave comes in contact with a medium and the medium takes some of the energy away from the wave and less of the energy is reflected  
 5. Colors of the visible spectrum in order of highest wavelength and lowest frequency  
 11. the bouncing back of a wave as it hits a surface  
 14. waves that require a medium through which to travel  
 15. material through which a wave travels  
 16. the time that it takes a complete cycle or wave oscillation to occur

17. A wave that consists of an associated electric and magnetic fields and can travel through a medium and empty space  
 18. the number of complete waves or cycles that pass a fixed point in a specific unit of time  
 19. the height of the wave (is half the vertical distance from crest to trough)  
 20. the distance between one wave crest or trough and the next

## Down

1. the interference that occurs when two waves combine to make a wave with a larger amplitude

2. the interference that occurs when two waves combine to make a wave with a smaller amplitude  
 6. a wave that moves the medium in a direction parallel to the direction in which the wave travels  
 7. a wave that moves the medium in a direction perpendicular to the direction in which the wave travels  
 8. the bending of a wave as it enters a new medium  
 9. the lowest point of a wave  
 10. the bending of a wave around a barrier  
 12. the highest point of a wave  
 13. A disturbance that carries energy from one place to another without carrying matter

## Word Bank

medium  
 ROY G BIV  
 frequency  
 Mechanical wave  
 Wave

trough  
 crest  
 reflection  
 longitudinal wave  
 Electromagnetic Wave

diffraction  
 Wavelength  
 constructive interference  
 refraction  
 amplitude

absorption  
 wave speed  
 Period  
 Transverse waves  
 destructive interference