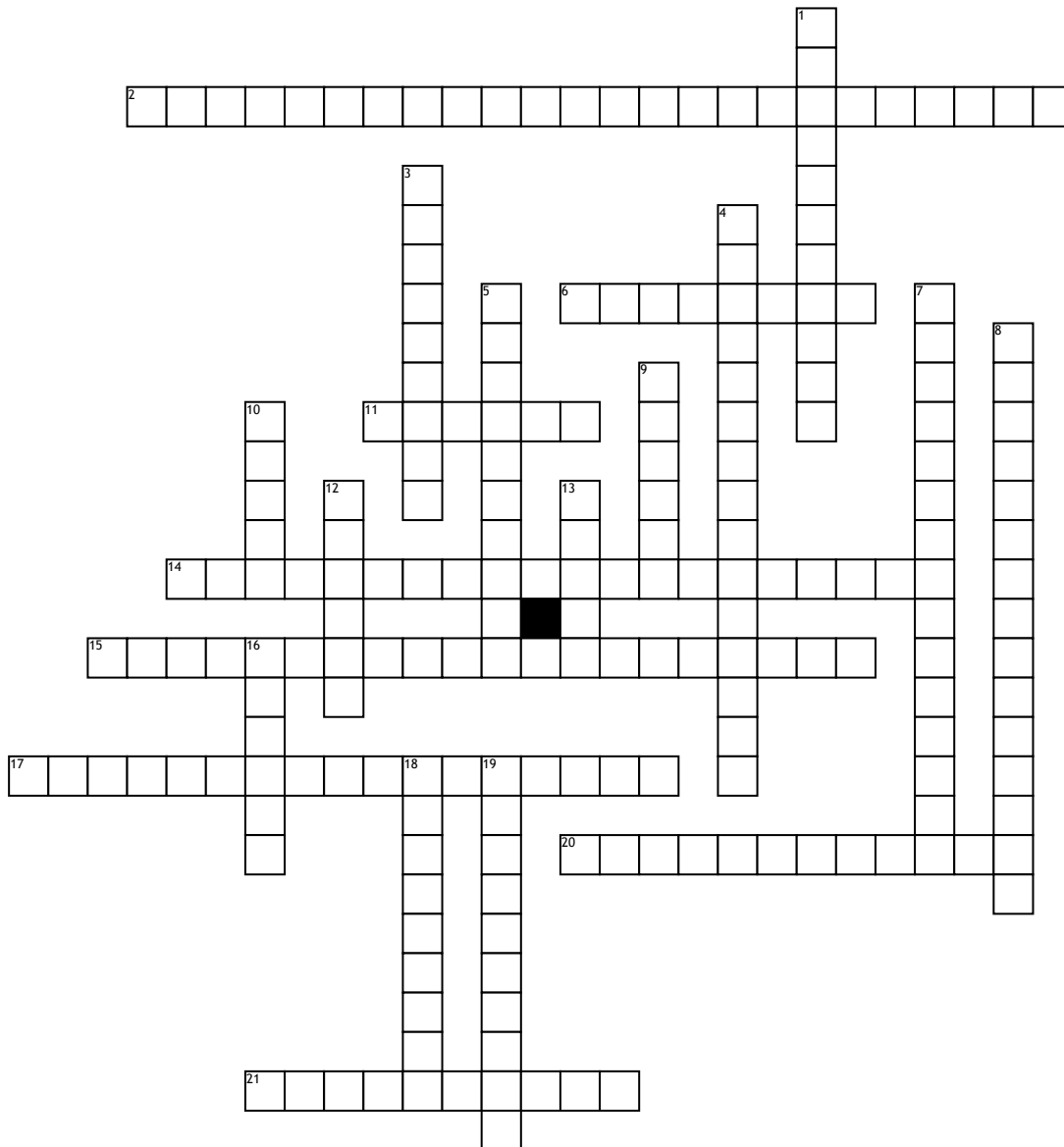


Name: \_\_\_\_\_

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

# science crossword puzzle



## Across

2. combines the energies of the two waves into a greater amplitude  
 6. speed of a wave as it moves forward  
 11. waves carry this  
 14. reduces energies of the two waves into a smaller amplitude  
 15. can transfer through a vacuum  
 17. medium moves in the same direction as the waves motion  
 20. the interaction of two or more waves that combine in a region of overlap

21. when a wave strikes an object and bounces off

## Down

1. bending of waves around a barrier  
 3. number of waves passing a point in one second  
 4. must travel through a medium  
 5. bending of waves when passing from one medium to another  
 7. when a wave meets an object or another wave  
 8. medium vibrates perpendicular to the direction of the wave motion

9. material through which a wave transfers energy

10. rhythmic disturbances that carry energy through matter and space

12. the amount of time for one cycle to do a complete motion

13. highest point of amplitude

16. lowest point of amplitude

18. corresponds to the amount of energy carried by the wave

19. length from one crest to another or from one trough to another trough