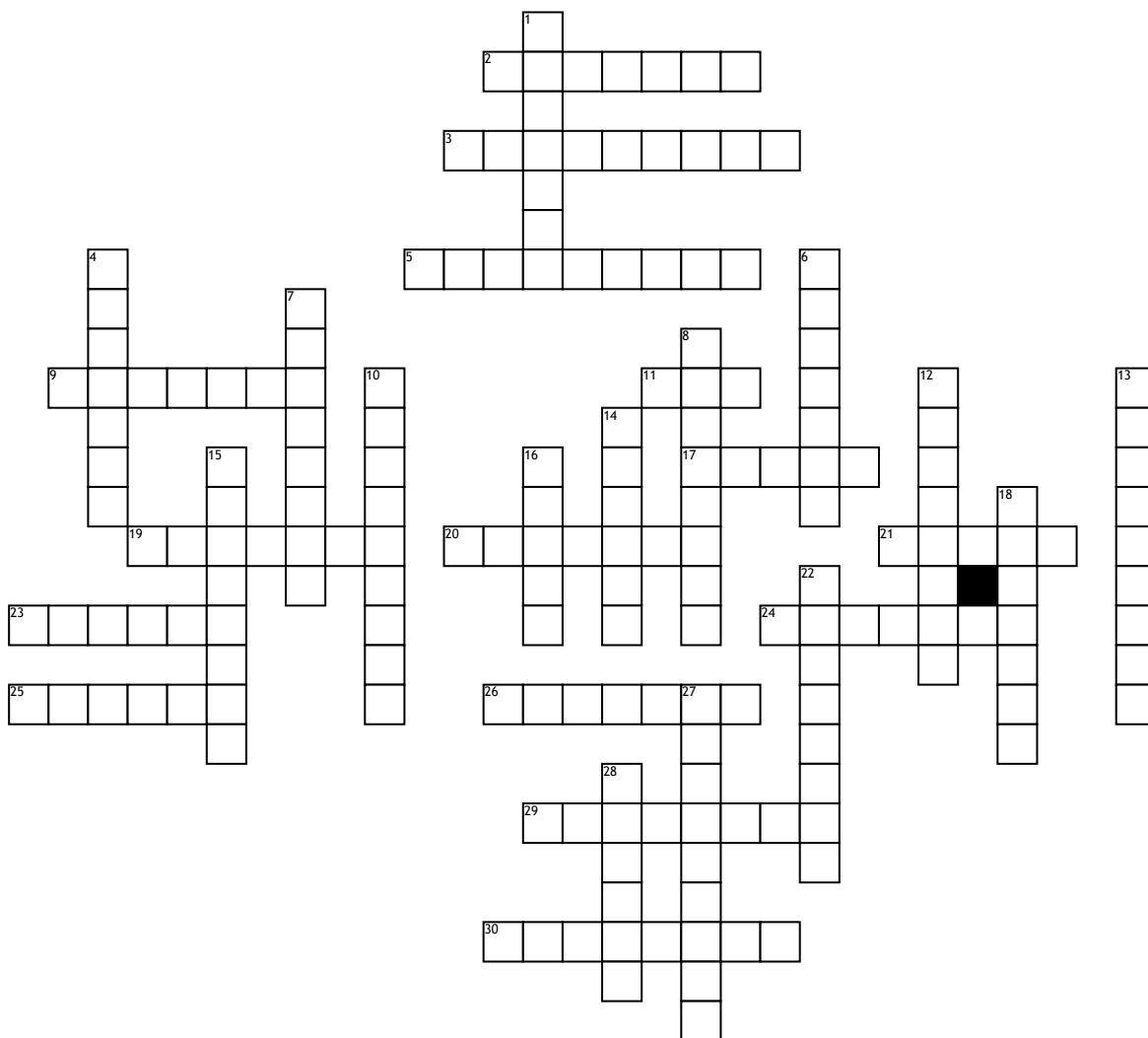


Name: \_\_\_\_\_

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

# Matter And Materials



## Across

2. The only metal that is a liquid at room temperature.  
 3. This element has 19 protons.  
 5. This element is in period 3 group 2  
 9. This element has three protons  
 11. An atom with a charge.  
 17. A noble gas  
 19. The electrons that can be lost, gained, shared or transferred.  
 20. A liquid halogen.  
 21. This is a bond between a non metal and a metal.  
 23. This element can be found in period 6 group 11  
 24. A pure substance  
 25. A positively charged subatomic particle in an atom  
 26. Can be pulled into long wires.

29. The subatomic particle that is found in orbitals.

30. A pleasant sound when tapped

## Down

1. This is a sub atomic particle with no charge.  
 4. A metalloid with 4 valence electrons  
 6. The collective name for the subatomic particles found in a nucleus of an atom.  
 7. 2 or more elements chemically bonded in a fixed ratio.  
 8. This is a bond between non metals only.  
 10. Can be bent without breaking or cracking.  
 12. A non metal found in Group 1

13. This element has 13 electrons when neutral.

14. This noble gas only has 1 period.

15. A halogen with 17 protons

16. This tells us how many electrons are in the outermost shell.

18. Different substances put together without a bond

22. This element has 9 electrons when neutral

27. Has a shine.

28. This tells us how many orbitals can be found in the atoms.