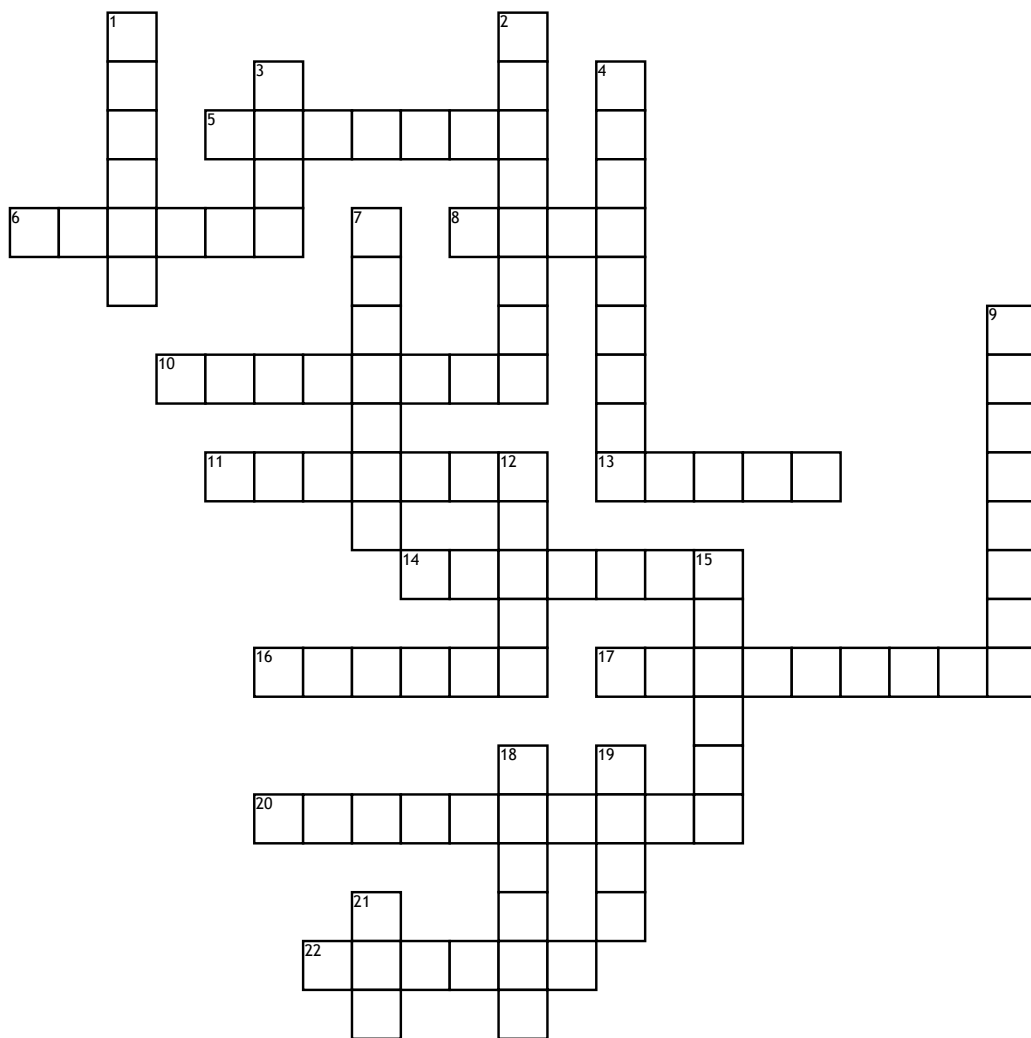


Name: \_\_\_\_\_

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

# Elements, Compounds, Mixtures and More!



## Across

5. A \_\_\_\_ is a combination of substances that have not bonded and can be separated by physical means  
 6. Magnesium has how many neutrons?  
 8. The invisible building blocks of all matter  
 10.  $\text{Al}_2(\text{CO}_3)_3$  has how many individual atoms?  
 11. the subatomic particle that has no charge is located in the \_\_\_\_ of the atom  
 13. How many periods are on the periodic table?  
 14. the element with the symbol of 'Ca' is

16. a state of matter with a fixed volume but no fixed shape  
 17. Is the element in period 3, group 4A a metal, non-metal, or metalloid?  
 20. All elements of the same group have similar \_\_\_\_  
 22. \_\_\_\_ is an element considered to be the building block of life

## Down

1. the element in period 4, group 1B is  
 2. the subatomic particle with a negative charge is a(n)  
 3. Beryllium has how many neutrons?  
 4. Are there fewer metals or nonmetals?

7. if a substance can be easily flattened and rolled into sheets, it is said to be  
 9. a \_\_\_\_ is the result of 2 or more elements that have bonded together  
 12. the most rigid state of matter  
 15. Elements that are good conductors of electricity are  
 18. The subatomic particle with a positive charge is called the  
 19.  $\text{Mg}(\text{OH})_2$  has how many individual atoms?  
 21. a state of matter where the substance has no fixed shape and expands to fill whatever container it is in

## Word Bank

seven  
 five  
 metalloid  
 metals

mixture  
 nonmetals  
 solid  
 Calcium

atom  
 properties  
 Carbon  
 fourteen

nucleus  
 ductile  
 gas  
 five

proton  
 electron  
 liquid

twelve  
 compound  
 Copper