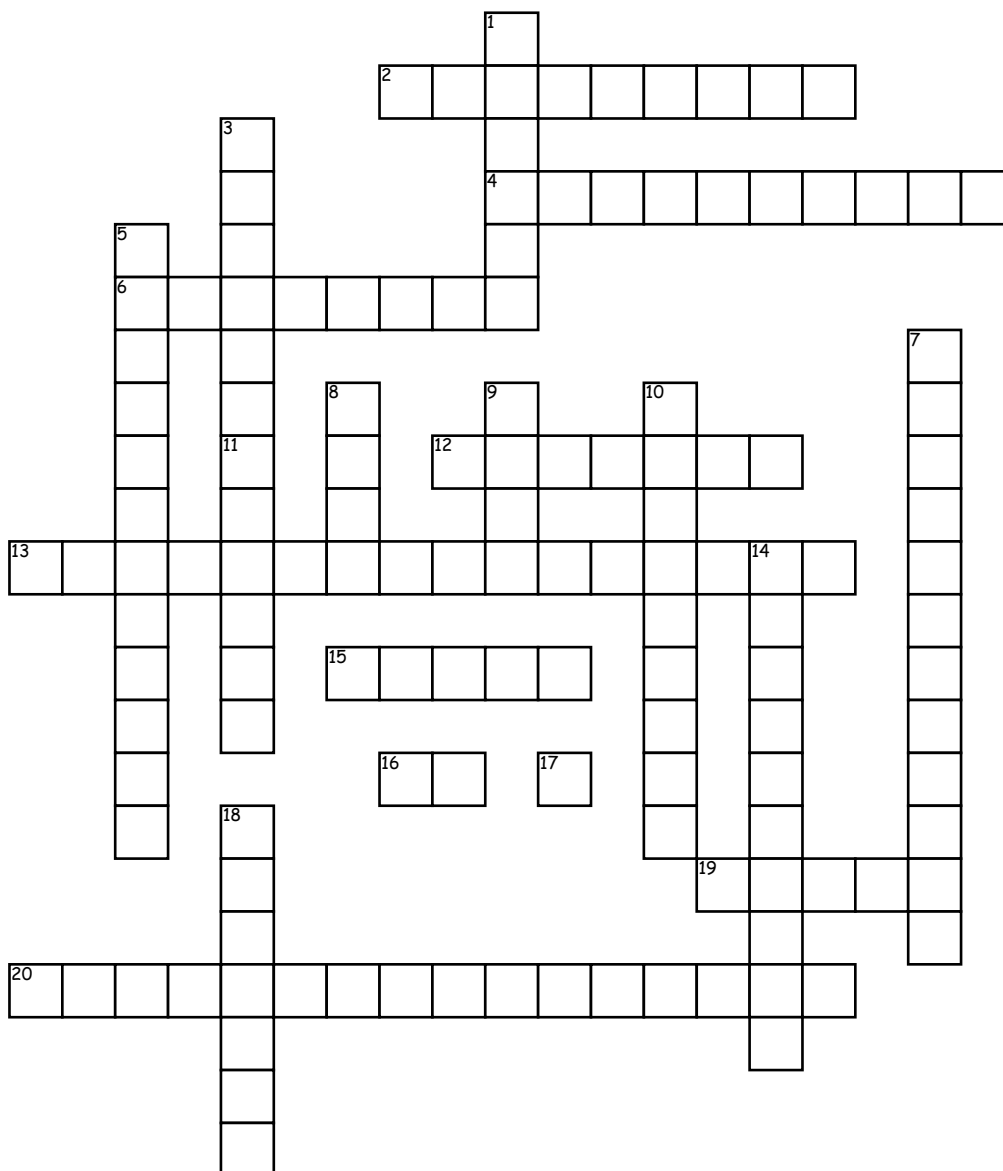


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Atoms and Periodic table



## Across

2. What is found outside of a nucleus, and has a negative charge?
4. What is equal to the number of protons and neutrons combined of an element?
6. What is located inside the nucleus, has no charge, and has a mass of one Amu?
11. How many energy levels does hydrogen have?
12. What is located inside the nucleus, has a positive charge, and has a mass of one Amu?
13. What subatomic particles show an elements reactivity?

15. What is the 20th element's atomic mass?

16. How many protons does magnesium have?
17. How many neutrons are in helium?
19. True or false - Elements with full energy shells are highly reactive
20. Who created the periodic table?

## Down

1. What is the largest type of element in the periodic table? (Metals, nonmetals, or metalloids)
3. Elements in which two groups are highly reactive?

5. What do the periods on the periodic table show?
7. What is equal to the number of protons or electrons in an element?
8. True or false - Chlorine and lithium are highly reactive elements.
9. True or false- the 11th column in the periodic table is not very reactive
10. What model is used to show atoms?
14. What column on the periodic table doesn't react with other elements?
18. Which subatomic particle determines what element it is?