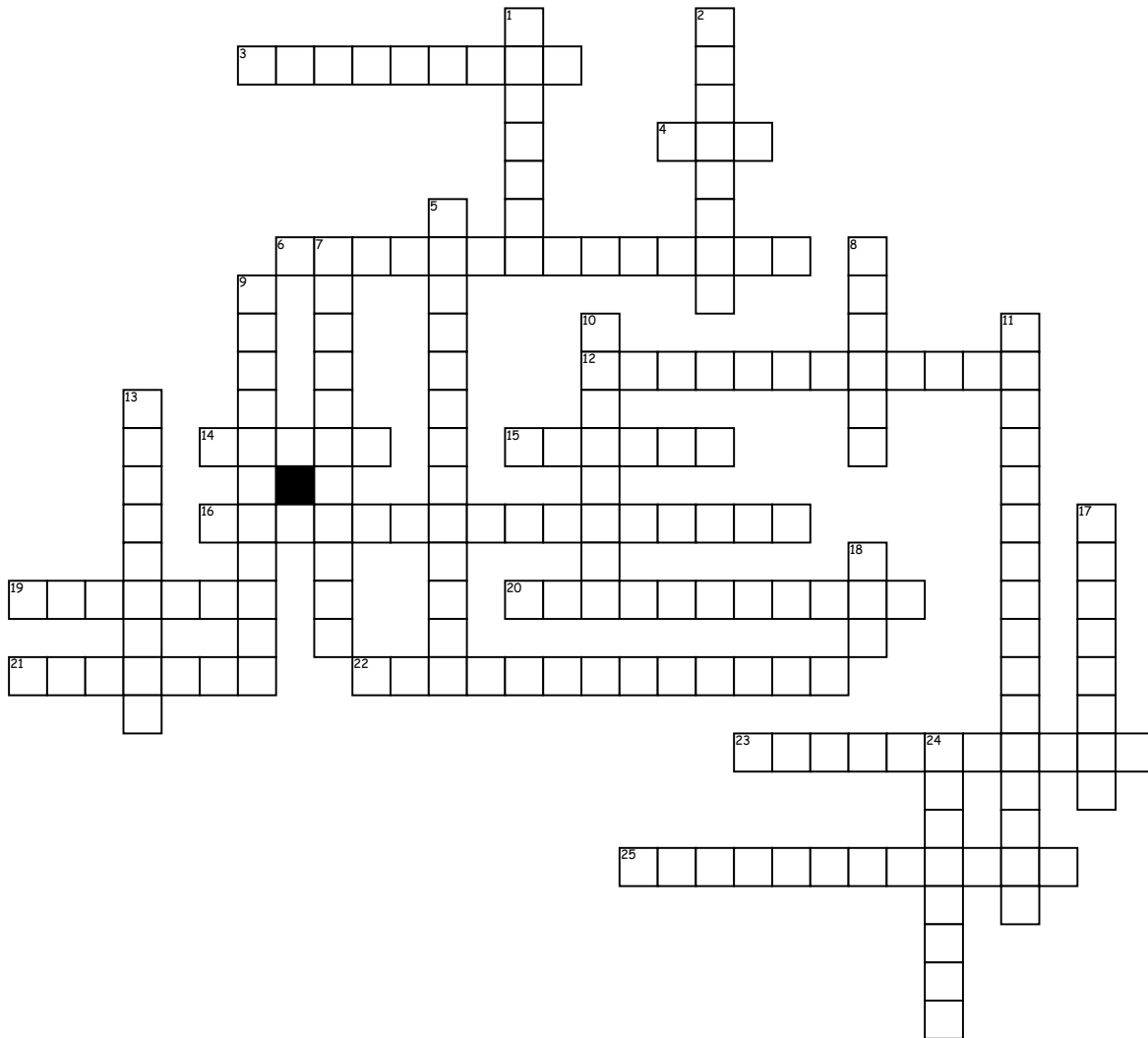


Name: \_\_\_\_\_

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

# Science Study Crossword



## Across

3. elements 89-103, very radioactive  
 4. atomic mass unit  
 6. group 2, reactive with group 17, low melting points  
 12. the number of protons in an atom's nucleus  
 14. an element that tends to be shiny, easily shaped, and a good conductor of electricity and heat  
 15. is a positively charged particle  
 16. the process in which unstable atoms become more stable by emitting particles and radiation  
 19. found in the center of the atom, contains protons and neutrons  
 20. when an atom loses an electron

21. each horizontal row of the periodic table

22. energy in the form of radiation (light) and particles (protons)  
 23. when an atom gains an electron  
 25. group 1, VERY reactive with group 17

## Down

1. is an uncharged particle or "neutral" particle  
 2. an element that is not a metal and has properties generally opposite to those of a metal  
 5. represents the probability an electron will be found in a particular location at any given time  
 7. elements 57-71, rare earth metals

8. each vertical column in the periodic table

9. very stable, colorless and odorless  
 10. group 17, reactive with groups 1 and 2, antibacterials

11. groups 3-12, good conductors of heat and electricity, malleable, shiny, useful in industry

13. an element that had properties of both metals and nonmetals

17. negatively charged particles

18. is formed when an atom gains or loses one or more electrons

24. atoms of the same element that have a different number of neutrons