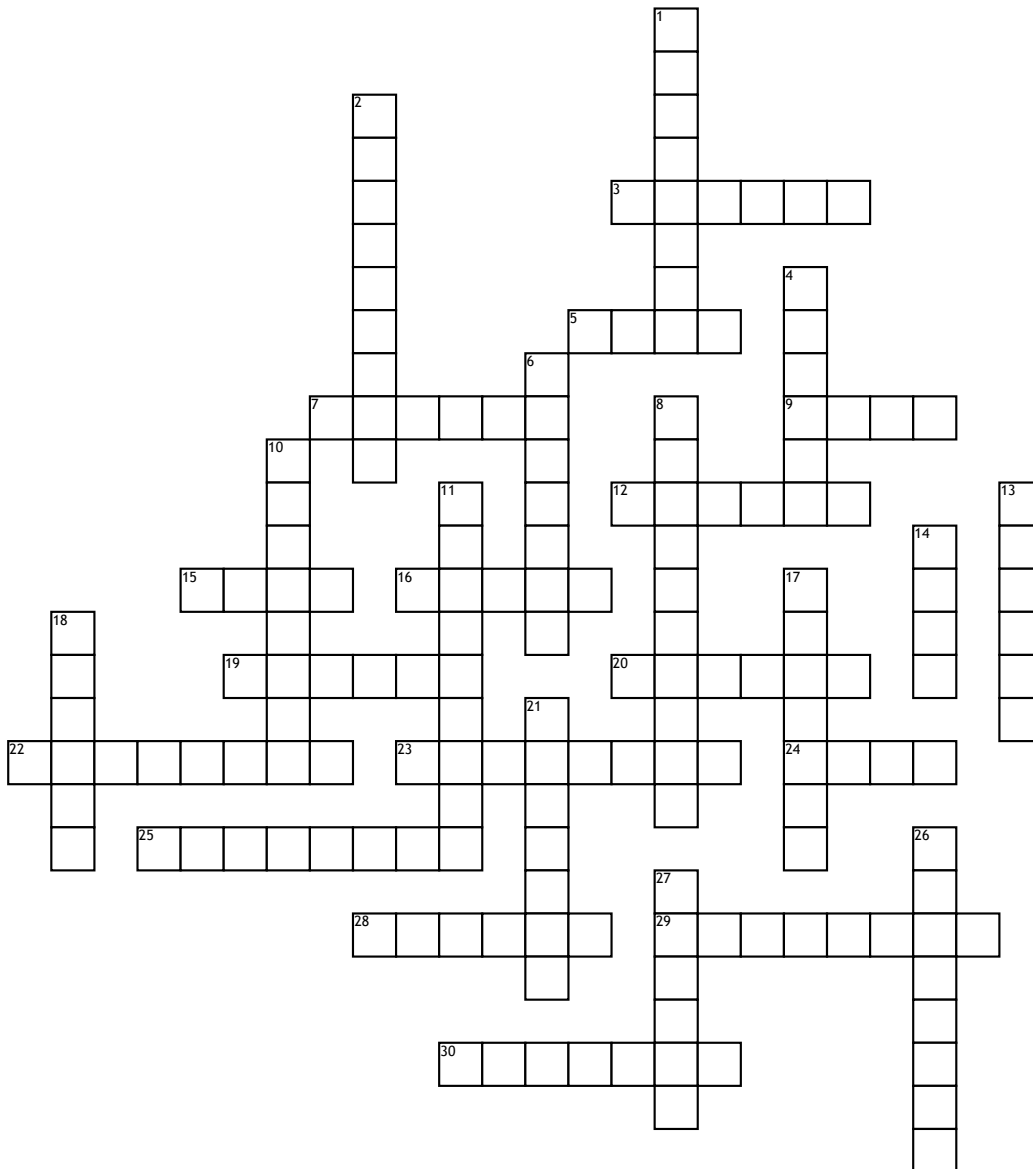


Name: _____

Date: _____

Elements



Across

3. gave police their nickname because it was used in the buttons on their uniforms; ductile; makes brass when combined with zinc
 5. makes up most of U.S. pennies since 1982
 7. smells like rotten eggs; part of acid rain
 9. gave the San Francisco 49ers their name
 12. needed by the thyroid gland; a violet-black antiseptic
 15. probably forms no known compounds with any element; glows red when electricity is passed through it
 16. gas found in many screw-in light bulbs because of its low reactivity
 19. metal that makes up about 25% of our five cent pieces
 20. one of three magnetic elements; associated with the color blue
 22. the most common element in Earth's atmosphere; very important in fertilizers

23. used in jet engines and nice bicycles because it doesn't fatigue and in pins in bones because it doesn't react in the human body
 24. makes your blood and clay red
 25. makes rubies red and metals unreactive and shiny
 28. gives off yellow light when burned; found in baking soda; in group 1
 29. most airplane parts are made of this element for its strength and low density
 30. the second most abundant element in the Earth's crust; is a semiconductor

Down

1. the lightest and most abundant element in the universe
 2. a metal that reacts violently with water; its name comes from its history of being made when wood is burned in pots to make ashes
 4. you last about five minutes without it; makes up ozone

6. so unreactive that it's found in only one compound; its mineral weakens Superman
 8. makes an acid found in most sodas
 10. makes paper white and kills germs; its name means greenish-yellow
 11. makes emeralds green; also toxic and causes berylliosis
 13. used in film because its compounds are light-sensitive; makes up nicer knives, forks, and spoons
 14. makes up bullets; toxic
 17. found in lime; makes water hard; makes up much of bones and seashells
 18. found in blimps; a noble gas
 21. silvery metal that would melt in your hand but has a boiling point of 2403 degrees C.
 26. the most reactive element; added to water in most U.S. cities; found in Teflon
 27. found in all organic compounds; able to form four bonds