

Name _____ Date _____ Period _____

PERIODIC TABLE SCAVENGER HUNT

1. What is the atomic mass of cadmium? _____
2. What is the chemical symbol for chromium? _____
3. What is Zn? _____
4. What is Fe? _____
5. How many protons are found in bromine? _____
6. What is the charge of the sulfur ion? _____
7. What is the charge of the Rb ion? _____
8. What is the charge of the hydrogen ion? _____
9. What is the name of LiF? _____
10. What is the chemical symbol for potassium bromide? _____
11. Metals have a positive charge. (TRUE / FALSE)
12. Where are the non-metals located on the periodic table?
13. Which two elements have an atomic weight of approximately 40 grams?
14. List all of the inert gases.
15. Arrange these atoms from fewest protons to most protons: Pt, Ti, Ir, He, Si, C.
16. What are the four most common elements in biology?
17. Find nickel on the period table. Write down its atomic number. Then add the atmoic mass of the next biggest element. Then subtract the atomic number of helium. What number do you get? Show your work!

18. Draw an orbital diagram that shows how lithium and fluorine can form LiF using an ionic bond.

19. Draw an orbital diagram that shows how calcium and chlorine can form CaCl₂ using 2 ionic bonds.

20. Draw an orbital diagram that shows how CH₄ can be formed using covalent bonds.

21. Draw an orbital diagram that shows how CO₂ can be formed using covalent bonds.

22. Draw an orbital diagram that shows how H₂O can be formed using covalent bonds.