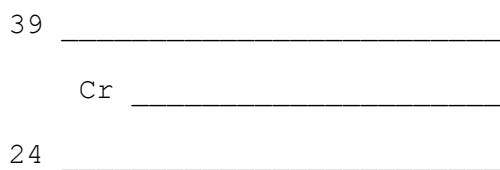


## General Science Chemistry Quiz Study Guide

1. What is an atom?
2. What is an element?
3. Name 5 examples of elements
4. How do we identify elements on the periodic table?
5. How can you determine if an element has a greater mass than another element?
6. What are the three subatomic particles?
7. Where do you find the gases on the periodic table?
8. Where do you find the metals on the periodic table?
9. Where do you find metalloids on the periodic table?
10. Who discovered the correct model for the atom?
11. What is an isotope?
12. Name 2 examples of isotopes

13. Label the following diagram using the words: atomic symbol, mass number, atomic number



14. How are the atomic number and the number of protons related?

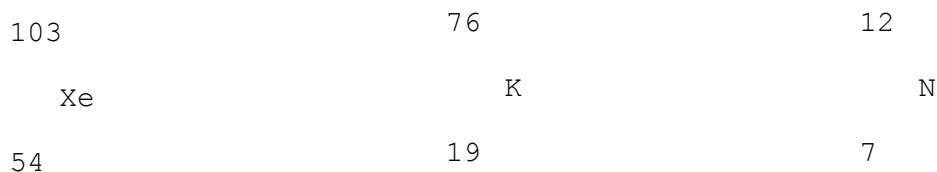
15. In a neutral atom, what must be true about the electrons and neutrons? Why?

16. Using the mass number and atomic number, how do you determine the number of neutrons?

17. Given the neutrons and protons, how do you find the mass number?

18. How do you write hyphenated notation? (what two things do you use?)

19. Use the following nuclear symbols to complete the chart



Element	Mass Number	Atomic Number	Protons	Neutrons	Electrons	Hyphenated-Notation

20. Complete the following information about the periodic table

<b>Family</b>	<b>Location on Periodic Table</b>	<b>2 Properties</b>
Halogens		
Alkali Metals		
Alkali Earth Metals		
Metals		
Inert Gases		

21. Draw a Bohr Model for the following elements

A. Carbon (C)

B. Aluminum (Al)

C. Sodium (Na)

22. How many valence electrons do each of the following elements have:

A. Cesium (Cs)

B. Silicon (Si)

C. Bromine (Br)

23. Make the following elements stable by telling identifying how many electrons are gained or loss

- A. Chlorine (Cl)
- B. Xenon (Xe)
- C. Francium (Fr)

24. Draw Lewis Dot Structures for the following elements

- A. Hydrogen (H)
- B. Oxygen (O)
- C. Magnesium (Mg)

25. Complete the chart on atom models

Model Name	Developed By	Picture	Explain theory and Evidence