

Basic Chemistry Study Guide

Second Semester 2009

Fill in table

Element Symbol	Atomic #	Atomic Mass	# protons	# electrons	# neutrons
	6			6	6
			6	6	7
Ca	20				21
			78		117
U					146

1. The rows on a periodic table are called _____
2. The columns on the on the periodic table are called _____
3. The three categories of the periodic table are _____,
_____, _____
 - a. Give an example of each
4. Where are they located on the periodic table? _____
5. List two properties of a metal:

6. List two properties of a non metal:

7. Active metals are located where on the periodic table? _____

8. What is an alloy? _____

9. What is recycling? Why do we recycle?

10. What is the process called turning ore to metal?

11. Low grade ore is less desirable, Why? _____

12. Thin films protect surfaces from what element in the air? _____

13. What is a mole? _____

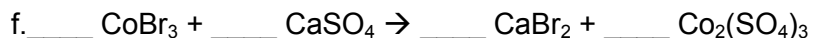
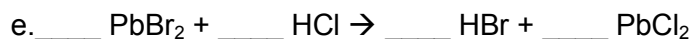
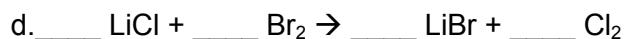
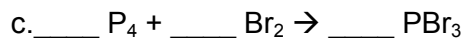
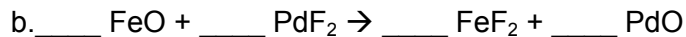
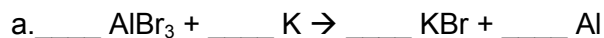
14. What is the same on the both sides of a balanced equation? _____

15. What are the four indications of chemical change? _____

16. Show the complete reduction $\frac{1}{2}$ reaction for zinc?

17. What is the percentage composition of glucose ($C_6H_{12}O_6$) ?

18. Balance the following equations:



19. Pennies minted prior to 1982 were composed chiefly of what metal?

20. Using the activity series table which is more reactive Zinc or Lithium?

21. Using the activity series table which is more reactive Fe or Mn?

22. Are the properties of an alloy: similar to the base metals, completely different from the base metals (circle one)

