

Chem 100

Naming Elements, Compounds, and Balancing Reactions

1. Is it a mixture, compound, or element?
 - a. sodium
 - b. chloride
 - c. salt
 - d. water
 - e. salt water
2. Name the following elements:
 - a. C
 - b. Au
 - c. Ag
 - d. Cl
 - e. Hg
3. Is it a metal, metalloid, or nonmetal? What is the symbol for each element?
 - a. Lead
 - b. Platinum
 - c. Bromine
 - d. Silicon
4. Name the compound that would form from the following groups of 2 elements:
 - a. Ca and S
 - b. Cl and K
 - c. As and Ga
 - d. H and F

5. Describe the “make-up” of the following: (i.e. a molecule consisting of ?# atoms of the element ?)

a. N_2

b. SO_2

c. C_2H_6

6. Balance the following reactions:

a. Nitrogen gas + hydrogen gas “yields” NH_3

