



Name:

01/25/09

## Assignment #2: Review: Balancing Chemical Equations

1. Define the following in your own words:

a. Ionic bond -

b. Metallic bond -

c. Covalent bond -

d. Molecule -

e. Compound -

f. Single Displacement -

g. Double Displacement -

h. Combustion -

i. Synthesis -

j. Decomposition -



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2. Identify the compounds as ionic or covalent.

a. Lithium Chloride

d. Iron (IV) Oxide

b. Potassium Nitride

e. Silicon Dioxide

c. Carbon Tetrachloride

f. Manganese (IV) Oxide

3. Write chemical formulas for the following compounds:

a. Potassium Permanganate

g. Phosphorous Tetrachloride

b. Copper (II) Nitrate

h. Dinitrogen Monoxide

c. Potassium Oxide

i. Water

d. Calcium Oxide

j. Ammonium Chloride

e. Carbon Dioxide

k. Carbon Monoxide

f. Mangesium Sulfate

l. Sulfur Dioxide



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3. For each chemical equation:

- Balance the equation.
- Identify the type of reaction
- Write a sentence for the reaction.



