

## Chemical Reactions Study Guide

### Terms and concepts:

- 1)-(s)olids, (l)iquid, (g)as, (aq)ueous
- 2)-Reactants, products, “yield” arrow
- 3)-Excess and limiting reactant
- 4)-Reaction types
  - single displacement
  - double displacement
  - synthesis
  - decomposition
  - combustion
- 5)-Endo and exothermic
- 6)-Stoichiometry
- 7)-Percent yield
- 8)-Law of conservation of mass

### Be able to:

- 1)-Write and balance equations
  - ID reactants and products
  - write formulas by balancing charges
  - balance the equation
- 2)-Identify reaction types
- 3)-Mass/Mass problems
- 4)-Percent yield problems
- 5)-Limiting reactant calculations