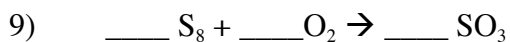
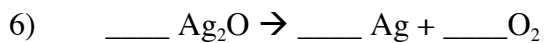
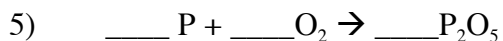
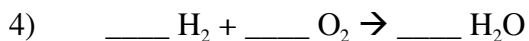
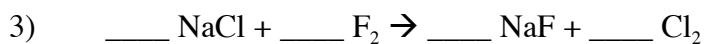
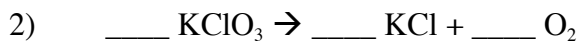


Name: _____

Date: _____

Balancing Equations
Unit 3, Topic 5 Homework

Balance the following equations, using the smallest whole number ratios possible



Name: _____

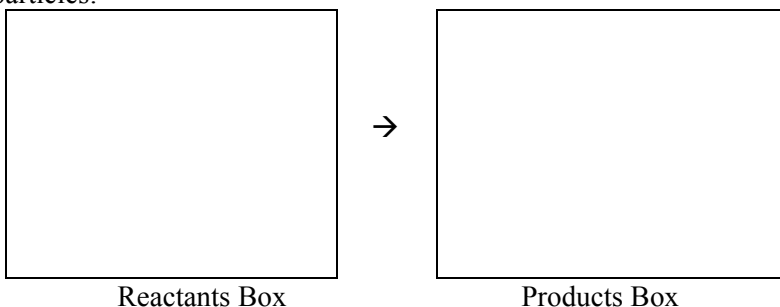
Date: _____

Using the given word statement, determine the chemical equation. You will then draw a particle diagram, balance it, and then create a balanced chemical equation.

Reaction #1: hydrogen molecules react with nitrogen molecules to form ammonia (NH₃)

Basic/Unbalanced Equation: _____

Draw your reactants in the “Reactants” box and your products in the “Products” box. Then, balance the particles:

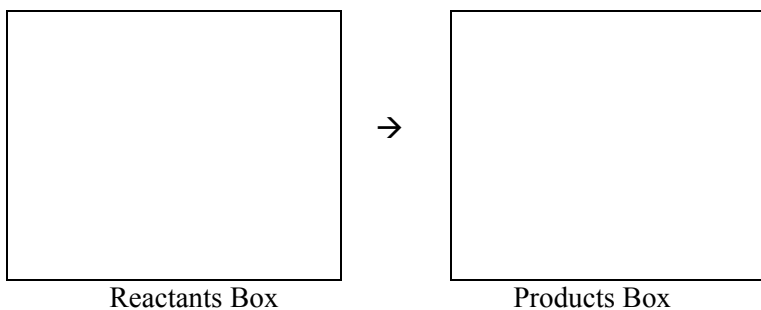


___ molecules of H₂ + ___ molecules of N₂ formed into ___ molecules of NH₃

FINAL Balanced Equation: _____

Reaction #2: Magnesium atoms react with chlorine molecules to form magnesium chloride

Basic/Unbalanced Equation: _____



___ atoms of Mg + ___ molecules of Cl₂ formed into ___ units of MgCl₂

FINAL Balanced Equation: _____