Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_ Per. \_\_\_\_\_

Chemical Reactions

1. What is a chemical reaction?
2. What are chemical equations?

Use the following equation for #3-.

 Fe (s) + Cl2 (g) FeCl3 (s)

1. What are the reactants in the equation?
2. What are the products in the equation?
3. What is the state of matter for Iron? Chlorine? Iron (III) chloride?
4. What does the arrow mean?
5. Which type of reaction always produces Carbon dioxide & water?