

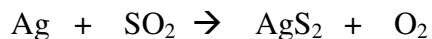
# Chemical Reactions

Name \_\_\_\_\_

1. What is the difference between an exothermic and endothermic reaction?
2. In an exothermic reaction, is energy included as a product or a reactant in a chemical equation? \_\_\_\_\_ What about in an endothermic reaction? \_\_\_\_\_
3. Give two examples of exothermic reactions.
4. A chemical reaction between reactant A and reactant B happens only when the reactants are heated. Is this an endothermic or exothermic reaction?
5. In endothermic reactions, is more energy released from breaking bonds in the reactants or building bonds in the products?
6. What is one example of an endothermic reaction?
7. In the following equation, circle the reactants and underline the products, then tell if it is endothermic or exothermic. \_\_\_\_\_



8. Balance the following equation by putting coefficients in the correct places:



9. List the number of atoms of each element in the reactants and in the products:



Reactants		Products	
Element	Number of Atoms	Element	Number of Atoms

10. Is the above an endothermic or exothermic reaction? \_\_\_\_\_