

Name: _____

Hour: _____ Date: _____

Chemistry: *Chapter 7 Study Questions*

1. What are some observations we could make that would indicate a chemical reaction has occurred?
2. When a strong chemical bond is formed, how much energy is released?
3. What happens to atoms during a chemical reaction?
4. What must happen between particles for a chemical reaction to occur?
5. State the difference between a *coefficient* and a *subscript*.
6. What law are we conforming to when we balance a chemical equation?
7. What is the difference between *exothermic* and *endothermic* chemical reactions?
 - a. Which has $+\Delta H$ values?
 - b. Which has $-\Delta H$ values?
8. What do the coefficients of a balanced chemical reaction tell us?
9. How do “real-life” chemical reactions differ from an ideal, balanced chemical equation?
10. What is the difference between a *synthesis reaction* and a *decomposition reaction*?
11. Define *single-displacement reaction* and *double-displacement reaction*.
12. What are spectator ions?
13. What is a net ionic equation?