

Study Guide Chapter 20 - Chemical Reactions

1. What are 4 clues that a chemical reaction is taking place?
2. What does a catalyst, such as an enzyme, do?
3. What law dictates that chemical equations must be balanced?
4. What are the formulas for the following:
 - calcium chloride
 - carbon dioxide
 - dinitrogen monoxide
 - sulfur dioxide
5. What happens in a double replacement reaction? Be able to identify an example.
6. Are phase changes chemical reactions?
7. What is a chemical symbol?
8. Be able to count the # of atoms in chemical formulas.
9. What is a chemical formula?
10. Which type of compounds use prefixes?
11. What are reactants?
12. What are products?
13. Where are the reactants and products in relation to the yield arrow in an equation?
14. What types of elements form ionic bonds?
15. What happens during a chemical reaction?
16. You will have 3 chemical equations to balance.
17. What is the law of conservation of mass?
18. Where must collision take place in order for a chemical reaction to occur (in the products or reactants?)
19. What is an endothermic reaction?
20. What is an exothermic reaction?
21. What happens in a decomposition reaction. Be able to identify an example.
22. What is a single replacement reaction?
23. What is a synthesis reaction?
24. What are 3 examples of exothermic reactions?
25. How does surface area affect reaction rates?