

Chemistry Reading Guide – Ch 9

Complete the following Reading Guide as you explore the chapter. This guide is to help you gather information on the chapter. You may not use sentence fragments to complete the answer. Information with the proper use of grammar is the goal. .

I. Read the Chapter Study Guide First! (Page 311)

II. Reading guide questions:

1. What is a chemical reaction?

2. What is another name for a chemical reaction?

3. List of four common examples of chemical reactions:
 - a.
 - b.
 - c.
 - d.

4. How is nylon formed?

5. List of four Titus of the evidence for chemical reactions:
 - a.
 - b.
 - c.
 - d.

6. What are reactants and products?

reactants --

products

7. Write a general equation and for two reactants and two products.

8. What is the difference between word equations and skeleton equations?
word equations –
skeleton equations –

9. What is a chemical equation?

10. What is a coefficient in a chemical equation?

11. What is the law of conservation of mass?

12. Read the flow chart **Figure 9.6**.

13. List before types of chemical reactions (Hint: Large Blue Letters):
 - a.
 - b.
 - c.
 - d.

14. What is a Synthesis Reaction? And give a general equation and one example.

15. What is a Combustion Reaction? And give a general equation and one example.

16. What is a Decomposition Reaction? And give a general equation and one example.

17. Use the table below to list the steps for balancing equations.

Step	Process <i>Italics Only</i>	Example

18. What is a Replacement Reaction? And give a general equation and one example.

