

CHAPTER 9 NOTES
CHEMICAL EQUATIONS AND REACTIONS
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Section 9-1 (The nature of chemical reactions)

What is a chemical reaction?

What are the two types of substances involved in a chemical reaction? Describe each substance.

Why do some substances undergo chemical reactions while others do not?

Section 9-2 (Chemical equations)

What are chemical equations?

Describe the difference between word equations and formula equations.

Explain how a balanced chemical equation illustrates the law of conservation of matter.

What are coefficients?

Section 9-3 (Classifying chemical reactions)

Name the four types of chemical reactions.

- 1.
- 2.
- 3.
- 4.

Describe each of the four types of chemical reactions and provide examples.

1.

2.

3.

4.