

Stoichiometry

Section 11.1 What is stoichiometry?

In your textbook, read about stoichiometry and the balanced equation.

For each statement below, write *true* or *false*.

1. The study of the quantitative relationships between the amounts of reactants used and the amounts of products formed by a chemical reaction is called stoichiometry.
2. Stoichiometry is based on the law of conservation of mass.
3. In any chemical reaction, the mass of the products is less than the mass of the reactants.
4. The coefficients in a chemical equation represent not only the number of individual particles but also the number of moles of particles.
5. The mass of each reactant and product is related to its coefficient in the balanced chemical equation for the reaction by its molar mass.

Complete the table below, using information represented in the chemical equation for the combustion of methanol, an alcohol.



| Substance | Molar Mass (g/mol) | Number of Molecules | Number of Moles (mol) | Mass (g) |
|-------------------|--------------------|---------------------|-----------------------|----------|
| 6. Methanol | 32.05 | | | |
| 7. Oxygen gas | 32.00 | | | |
| 8. Carbon dioxide | 44.01 | | | |
| 9. Water | 18.02 | | | |

10. What are the reactants? _____
11. What are the products? _____
12. What is the total mass of the reactants? _____
13. What is the total mass of the products? _____
14. How do the total masses of the reactants and products compare? _____

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independent assortment? • What inheritance patterns exist ... Answers For CH 11, 13, 14 Reading Handout Section 11—3 Exploring Mendelian Genetics 9. What was the ratio of Mendel's F2 generation for the two-factor cross? (pages 270-274) 10. Complete the Punnett ... 11-3 Exploring Mendelian Genetics Aug 14, 2014 — 11-3 Exploring Mendelian Genetics. Key Concepts: What is the principle of independent assortment? What inheritance patterns exist aside from ... Answers to All Questions and Problems Aug 14, 2015 — CHAPTER 1. 1.1 In a few sentences, what were Mendel's key ideas about inheritance? ANS: Mendel postulated transmissible factors—genes—to. Effective Human Relations: Interpersonal and ... Barry Reece. Effective Human Relations: Interpersonal and Organizational Applications. 12th Edition. ISBN-13: 978-1133960836, ISBN-10: 1133960839. 4.2 4.2 out ... Effective Human Relations 12th Ed. Interpersonal ... Effective Human Relations 12th Ed. Interpersonal Organizational Applications Includes Student Guide [Barry L. Reece] on Amazon.com. Effective Human Relations: Interpersonal and ... Effective Human Relations: Interpersonal and Organizational Applications 12th Edition is written by Barry Reece and published by Cengage Learning. Effective Human Relations: Interpersonal... 12th Edition by The text establishes seven major themes of effective human relations communication, self-awareness, self-acceptance, motivation, trust, self-disclosure, and ... Effective Human Relations 12th edition 9781133960836 ... Book Details ; Effective Human Relations: Interpersonal and Organizational Applications · 12th edition · 978-1133960836 · Hardback · Cengage (1/9/2013). Effective Human Relations: Interpersonal and ... Sep 6, 2023 — Effective Human Relations: Interpersonal and Organizational Applications (12th Edition). by Barry Reece. Hardcover, 456 Pages, Published 2013. Effective Human Relations: Interpersonal and ... Jan 15, 2013 — Bibliographic information ; Author, Barry Reece ; Edition, 12 ; Publisher, Cengage Learning, 2013 ; ISBN, 1285633156, 9781285633152 ; Length, 456 ... Effective Human Relations: Interpersonal and ... Effective Human Relations: Interpersonal and Organizational Applications Hardcover - 2013 - 12th Edition ; Edition 12 ; Pages 456 ; Language ENG ; Publisher South- ... Books by Barry Reece Effective Human Relations Interpersonal and Organizational Applications Ohio University 12th ed(12th Edition) by Barry Reece Pamphlet, 423 Pages, Published ... Effective Human Relations 12th edition 9781285633152 ... COUPON: RENT Effective Human Relations 12th edition by Reece eBook (9781285633152) and save up to 80% on online textbooks at Chegg.com now!