# **Experiment 18-Chemical Reactions Lab Report**

Name:		
vaille:	Section:	

For this lab, you need to balance each equation, and classify the reaction according to the types of reactions listed in the lab handout using C (combination), D (decomposition), Cu (combustion), S (single replacement) and DR (double replacement). Include what you observed below each reaction.

1. \_\_CaCl<sub>2</sub> (aq) + \_\_Na<sub>3</sub>PO<sub>4</sub> (aq) → \_\_Ca<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub> (s) + \_\_NaCl (aq) \_\_\_\_\_

Observations:

2. \_\_CuSO<sub>4</sub> (H<sub>2</sub>O)<sub>5</sub> + heat → \_\_CuSO<sub>4</sub> (s) + \_\_H<sub>2</sub>O (g) \_\_\_\_\_ Observations:

\_\_CuSO<sub>4</sub> (s) + \_\_H<sub>2</sub>O (l) → \_\_CuSO<sub>4</sub> (H<sub>2</sub>O)<sub>5</sub> (s) \_\_\_\_\_ Observations:

3. \_\_Zn (s) + \_\_HCl (aq) → \_\_ZnCl₂ (aq) + \_\_H₂ (g) \_\_\_\_\_ Observations:

 $_H_2(g) + _O_2(g) \rightarrow _H_2O(g)$  The "popping" reaction induced with the match. \_\_\_\_\_Observations:

4. \_\_HCl(aq) + \_\_Na<sub>2</sub>CO<sub>3</sub>(aq)  $\rightarrow$  \_\_CO<sub>2</sub>(g) + \_\_NaCl(aq) + \_\_H<sub>2</sub>O(l) \_\_\_\_\_ Observations:

H<sub>2</sub>O<sub>2</sub>(aq) → \_\_O<sub>2</sub>(g) + \_\_H<sub>2</sub>O(l) (the MnO<sub>2</sub> is a catalyst, it does not react) \_\_\_\_\_
Observations:

6. \_\_HCl (aq) + \_\_NaOH (aq) → \_\_NaCl (aq) + \_\_H₂O (l) \_\_\_\_\_

7. \_\_CaCl₂ (aq) + \_\_Na₂CO₃ (aq) → \_\_NaCl (aq) + \_\_CaCO₃ (s) \_\_\_\_\_ Observations:

8. \_\_Zn (s) + \_\_CuSO<sub>4</sub> (aq) → \_\_ZnSO<sub>4</sub> (aq) + \_\_Cu (s) \_\_\_\_\_

9. \_\_Cu (s) + \_\_ZnSO<sub>4</sub> (aq) → \_\_CuSO<sub>4</sub> (aq) + \_\_Zn (s) \_\_\_\_\_ Observations:

10. \_\_CaCl<sub>2</sub> (aq) + \_\_NaNO<sub>3</sub> (aq) → \_\_Ca(NO<sub>3</sub>)<sub>2</sub> (aq) + \_\_NaCl (aq) \_\_\_\_\_

# **Chemfax Chemical Reaction Lab Answers**

**Daniel F McAuley** 

**Chemfax Chemical Reaction Lab Answers:** 

Chemfax Chemical Reaction Lab Answers: Bestsellers in 2023 The year 2023 has witnessed a noteworthy surge in literary brilliance, with numerous engrossing novels captivating the hearts of readers worldwide. Lets delve into the realm of bestselling books, exploring the engaging narratives that have captivated audiences this year. Chemfax Chemical Reaction Lab Answers: Colleen Hoovers "It Ends with Us" This touching tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover expertly weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can prevail. Chemfax Chemical Reaction Lab Answers: Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This spellbinding historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids absorbing storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic: Delia Owens "Where the Crawdads Sing" This evocative coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens spins a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These bestselling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of compelling stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a guiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and suspenseful novel that will keep you speculating until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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### **Table of Contents Chemfax Chemical Reaction Lab Answers**

- 1. Understanding the eBook Chemfax Chemical Reaction Lab Answers
  - The Rise of Digital Reading Chemfax Chemical Reaction Lab Answers
  - Advantages of eBooks Over Traditional Books
- 2. Identifying Chemfax Chemical Reaction Lab Answers
  - Exploring Different Genres
  - $\circ$  Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Chemfax Chemical Reaction Lab Answers
  - User-Friendly Interface
- 4. Exploring eBook Recommendations from Chemfax Chemical Reaction Lab Answers
  - Personalized Recommendations
  - Chemfax Chemical Reaction Lab Answers User Reviews and Ratings
  - Chemfax Chemical Reaction Lab Answers and Bestseller Lists
- 5. Accessing Chemfax Chemical Reaction Lab Answers Free and Paid eBooks
  - Chemfax Chemical Reaction Lab Answers Public Domain eBooks
  - Chemfax Chemical Reaction Lab Answers eBook Subscription Services
  - Chemfax Chemical Reaction Lab Answers Budget-Friendly Options
- 6. Navigating Chemfax Chemical Reaction Lab Answers eBook Formats
  - o ePub, PDF, MOBI, and More
  - Chemfax Chemical Reaction Lab Answers Compatibility with Devices
  - Chemfax Chemical Reaction Lab Answers Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - o Adjustable Fonts and Text Sizes of Chemfax Chemical Reaction Lab Answers
  - Highlighting and Note-Taking Chemfax Chemical Reaction Lab Answers
  - Interactive Elements Chemfax Chemical Reaction Lab Answers
- 8. Staying Engaged with Chemfax Chemical Reaction Lab Answers

- Joining Online Reading Communities
- Participating in Virtual Book Clubs
- Following Authors and Publishers Chemfax Chemical Reaction Lab Answers
- 9. Balancing eBooks and Physical Books Chemfax Chemical Reaction Lab Answers
  - Benefits of a Digital Library
  - o Creating a Diverse Reading Collection Chemfax Chemical Reaction Lab Answers
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Chemfax Chemical Reaction Lab Answers
  - Setting Reading Goals Chemfax Chemical Reaction Lab Answers
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Chemfax Chemical Reaction Lab Answers
  - Fact-Checking eBook Content of Chemfax Chemical Reaction Lab Answers
  - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
- 14. Embracing eBook Trends
  - Integration of Multimedia Elements
  - Interactive and Gamified eBooks

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