

CHEMISTRY 1

FINAL EXAM REVIEW

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Name _____ Section _____ Date _____

Chemistry Review: Writing and Balancing Equations

Directions: Solve each problem and answer each question

1. Balance each equation below by adding the correct coefficients

- $___ \text{CuCl}_2 + ___ \text{NaBr} \rightarrow ___ \text{NaCl} + ___ \text{CuBr}_2$
- $___ \text{HCN} + ___ \text{Mg(OH)}_2 \rightarrow ___ \text{Mg(CN)}_2 + ___ \text{H}_2\text{O}$
- $___ \text{HNO}_3 + ___ (\text{NH}_4)_2\text{SO}_4 \rightarrow ___ \text{NH}_4\text{NO}_3 + ___ \text{H}_2\text{SO}_4$
- $___ \text{ZnCO}_3 + ___ \text{Al}_2\text{O}_3 \rightarrow ___ \text{ZnO} + ___ \text{Al}_2\text{CO}_3$
- $___ \text{C}_4\text{H}_{10} + ___ \text{O}_2 \rightarrow ___ \text{CO}_2 + ___ \text{H}_2\text{O}$

2. Write and balance each equation. Include phase labels

- Aqueous sodium hydroxide reacts with aqueous sulfuric acid to form aqueous sodium sulfate and water
- Solid iron (III) hydroxide and aqueous sodium carbonate are formed from the reaction of solid iron (III) carbonate and aqueous sodium hydroxide
- Solid aluminum reacts with aqueous hydrobromic acid to form aqueous aluminum bromide and hydrogen gas
- Gaseous ethane (dibarbon hexahydride) reacts with oxygen gas to form gaseous carbon dioxide and gaseous water
- Solid calcium phosphite reacts with aqueous copper (II) nitrate to form aqueous calcium nitrate and solid copper (II) phosphite

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21 CHEMISTRY WORKSHEETS

WORKED ANSWER KEY

Chemistry Final Exam Review Worksheet Answers

**Robert C. Smoot, Smoot, Richard G.
Smith, Jack Price**



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Solving Organic Chemistry Problems Richard E. Bozak,1974

Mandy Hoffen and a Conspiracy to Resurrect Life and Social Justice in Science Curriculum with Henrietta Lacks Dana Compton McCullough,2021-06-01 This book is a theoretical inquiry into alternative pedagogies that challenge current standardized practices in the field of science education Through Mandy Hoffen a fictional persona Dana McCullough the author explores how stories of Henrietta Lacks become part of a conspiracy to change science education Mandy Hoffen however never expected to find herself in the middle of a conspiracy As a science teacher of 20 plus years she worked diligently to meet the needs of her charges who are currently ninth and tenth grade biology students in an age of standardized testing The author also creates imaginary dialogues which serve as the theoretical framework for each chapter Each chapter unfolds in a form of a play with imaginary settings and events that bring Henrietta Lacks back from the grave to participate in conversations about science society and social justice The imaginary conversations are based on the author s experiences in graduate courses direct quotations from philosophers of science historians of science science educators curriculum theorists and stories of students in their study of Henrietta Lacks in a high school biology classroom The play describes the journey of a graduate student high school teacher as she researches the importance of the philosophy of science history of science science curriculum and social justice in science education Through reflections on fictional conversations stories of Henrietta Lacks are examined and described in multiple settings beginning in an imaginary academic meeting and ending with student conversations in a classroom Each setting provides a space for conversations wherein participants explore their personal connections with science science curriculum issues of social justice related to science and Henrietta Lacks This book will be of interest to graduate students scholars and undergraduates in curriculum studies educational foundations and teacher education and those interested in alternative research methodologies This is the first book to intentionally address the stories of Henrietta Lacks and their importance in the field of curriculum studies science studies and current standardized high school science curriculum

Prentice Hall Chemistry ,2000

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