

HOMEWORK ASSIGNMENTSHomework Assignment # 1. MEASUREMENT.Significant Figures, Rounding, Exponential Notation

Chapter 2 page 39: Odd-numbered problems

Chapter 2 pages 40, 41: Odd-numbered problems and questions

Questions due	21, 25, 27, 29, 33, 37, 49, 59, 63, and 75
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Homework Assignment # 2. PROPERTIES OF MATTER.

Chapter 3 pages 61 - 62: 3, 5, 7, 8, 13, 19, 27, and 29

Chapter 3 pages 62 - 64: 33, 35, 41, 45, 51, 55, 67, 69

Chapter 4 pages 77 - 78: 1, 3, 11, 15, 19, 25, 27, 33, and 41

Questions due:	3, 5, 13, 33, 35, 41, 1, 3, 11, 15, and 41
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Study Tips:

- ***DO EXERCISES FROM CHAPTER 1 - 4 REVIEW (pp. 80 - 82)***
- ***PREPARE QUESTIONS FOR RECITATION SESSION***

Homework Assignment # 3. EARLY ATOMIC THEORY. NOMENCLATURE.

Chapter 5 pages 98 - 99: Odd-numbered problems and questions

Chapter 6 pages 122 - 123: Odd-numbered problems and questions

Questions due:	Choose five problems from each chapter
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Study Tips:

- ***DO EXERCISES FROM CHAPTER 5 - 6 REVIEW (pp. 125 - 126)***
- ***PREPARE QUESTIONS FOR RECITATION SESSION***

Homework Assignment # 4. QUANTITATIVE COMPOSITION.

Chapter 7 pages 145 - 146: 13, 15, 17, 19, 21, 23, 27, 29

Chapter 7 pages 146 - 147: 31, 33, 35, 37

Chapter 7 pages 147 - 148: 39, 41, 43, 45, 49, 57, 59

Questions due:	13, 15, 17, 19, 21, 31, 33, 39, 41, 43, and 59
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Homework Assignment # 5. CHEMICAL EQUATIONS.

Chapter 8 pages 170 - 171: 9, 11, 13, 15, 17, 19, 21, 23

Chapter 8 pages 172 - 173: Odd-numbered problems and questions plus Challenge Exercise 50

Questions due:	5, 11, 13, 25, 27, 31, 48, 51, and 52
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Homework Assignment # 6. STOICHIOMETRY.

Chapter 9 pages 190 - 191: 9, 11, 13, 15, 19
Chapter 9 pages 192 – 194: 25, 27, 29, 31, 37, 39, 40, 41, 46, 53
Chapter 9 page 194: Challenge Exercises

Questions due: 9, 11, 13, 25, 27, 29, 31, 37, 39, 40, and Challenge Exercise 59

Study Tips:

- ***DO EXERCISES FROM CHAPTER 7 - 9 REVIEW (pp. 195 – 198)***
- ***PREPARE QUESTIONS FOR RECITATION SESSION***

Homework Assignment # 7. MODERN ATOMIC THEORY AND PERIODIC TABLE.

Chapter 10 pages 217 - 218: Odd-numbered problems and questions
Chapter 10 pages 218 - 219: Odd-numbered problems and questions

Questions due: Choose five questions and five problems. Create a question and give the answer.

Homework Assignment # 8. THE CHEMICAL BOND, LEWIS STRUCTURES.

Chapter 11 pages 252 - 253: Odd-numbered problems and questions
Chapter 11 pages 254 - 256: Odd-numbered problems and questions including Additional Exercises and Challenge Exercise

Questions due: Ten exercises of your choice. Create a similar question to the Challenge Exercise and provide the answer.

Study Tips:

- ***DO EXERCISES FROM CHAPTER 10 - 11 REVIEW (pp. 257 - 259)***
- ***PREPARE QUESTIONS FOR MIDTERM REVIEW SESSION***
- ***PREREAD CHAPTER 12***

Homework Assignment # 9. GAS LAWS.

Chapter 12 pages 294 - 296: Odd-numbered problems and questions
Chapter 12 pages 297 - 299: Odd-numbered Additional Exercises

Questions due: Choose two problems from each topic plus two from the Challenge Exercises.

Homework Assignment # 10. WATER AND PROPERTIES OF LIQUIDS

Chapter 13 pages 324-327: Odd-numbered problems and questions

Questions due: Twelve problems of your choice.

Homework Assignment # 11. SOLUTIONS

Chapter 14 page 355-360: Odd-numbered problems and questions

Questions due: Visit the site www.epa.gov, choose an article related to water pollution, summarize the article, give a reason for choosing the article, and present your own conclusions (max. two pages)

Study Tips:

- ***DO EXERCISES FROM CHAPTER 12 - 14 REVIEW (pp. 361 - 364)***
- ***PREREAD CHAPTER 16 (CHEMICAL EQUILIBRIUM)***

Homework Assignment # 12. CHEMICAL EQUILIBRIUM

Chapter 16 pages 421 - 425: Odd-numbered problems and questions

Questions due: Eight problems of your choice. Create a problem similar to Challenge Exercise 110

Homework Assignment # 13. ACIDS, BASES AND SALTS

Chapter 15 pages 391 - 395: Odd-numbered problems and questions

Questions due: Eight problems of your choice

Homework Assignment # 14. OXIDATION AND REDUCTION

Chapter 17 pages 448 - 452: Odd-numbered problems and questions

Questions due: Eight problems of your choice

Study Tips:

- ***DO EXERCISES FROM CHAPTER 15-17 REVIEW (PP. 453 - 456)***
- ***PREPARE QUESTIONS FOR FINAL REVIEW SESSION***
- ***REFLECT UPON THE MATERIAL COVERED; DID YOU LEARN ANYTHING FROM IT?***