

AP Chemistry Summer Assignment

Check out a textbook from the bookroom:

CHEMISTRY (14th edition) by Brown, LeMay, *et al.*

These text books are brand new. Please take good care of it.

The assignment is due the first week of school in September. It is worth 50 assignment points (*equivalent to 5 assignments*). Use your knowledge from first-year chemistry and the material in each chapter to answer the questions. Our first unit will review the material from the summer assignment and we will take a quiz in the 3rd week of school.

Ch. 1: Matter, Energy, and Measurement

Page 35, problems: 9, 45, 47, 49

Ch. 2: Atoms, Molecules, and Ions

Page 75, problems: 4, 57, 61, 65

Ch. 3: Chemical Reactions and Reaction Stoichiometry

Page 111, problems: 1, 7, 15, 37, 63 a-c, 67 a-b

Ch. 4: Reactions in Aqueous Solutions

Page 154, problems: 1, 17, 63, 71, 73, 79, 83

Ch. 6: Electronic Structure of Atoms

Page 248, problems: 71, 73, 75

Ch. 7: Periodic Properties of the Elements

Page 290, problems: 2, 13, 25, 33, 37, 43

Ch. 8: Basic Concepts of Chemical Bonding

Page 329, problems: 1, 11, 17, 39, 41, 47

Ch. 9: Molecular Geometry and Bonding Theories

Page 384, problems: 5, 13, 17, 25, 41

Ch. 10 Gases

Page 424, problems: 9a-b, 33, 39, 41, 63, 89

******The answers to all these exercises are in the back of the text.
Appendix E, pg. 1094**