

ADVANCED PLACEMENT CHEMISTRY-Brown and LeMay Text

Chapter 1 “Introduction: Matter and Measurement”- Assignments

DAY 1 “The Study of Chemistry” and “Classifications of Matter”

Read: pages 1-9

Exercises: 5, 10, 15, 20 (page)

DAY 2 “Properties of Matter” and “Units of Measurement”

Read: pages 9-20

Exercises: 24, 25, 26, 27, 30 (page)

DAY 3 “Uncertainty in Measurement”

Read: pages 20-25

Exercises: 35, 37, 38, 39, 42 (page)

DAY 4 “Dimensional Analysis”

Read: pages 25-29

Exercises: 43, 45, 50, 55 (page)

Chapter 2 “Atoms, Molecules, and Ions”- Assignments

DAY 1 “The Atomic Theory of Matter” and “The Discovery of Atomic Structure”

Read: pages 38-42

Exercises: 12, 13, 14, (page 71)

DAY 2 “The Modern View of Atomic Structure” and “Atomic Weights”

Read: pages 43-48

Exercises: 18, 19, 23, 28, 30, 32 (page 71-72)

DAY 3 “The Periodic Table” and “Molecules and Molecular Compounds”

Read: pages 49-54

Exercises: 39, 41, 45, 48 (page 72-73)

DAY 4 “Ions and Ionic Compounds”

Read: pages 55-60

Exercises: 50, 51, 53, 55, (page 73)

DAY 5 “Naming Inorganic Compounds” and “Some Simple Organic Compounds”

Read: pages 60-68

Exercises: 58, 59, 62, 68, 70, 72, 75 (page 73-74)

Chapter 3 “Stoichiometry: Calculations with Chemical Formulas and Equations”- Assignments

DAY 1 “Chemical Equations”

Read: pages 80-84

Exercises: 1, 2, 12, 14 (a&b only)

DAY 2 “Some Simple Patterns of Chemical Reactivity”

Read: pages 85-88

Exercises: 16, 17, 19,

DAY 3 “Formula Weights”

Read: pages 88-90

Exercises: 24

DAY 4 “Avogadro’s Number and the Mole”

Read: pages 90-96

Exercises: 29, 34, 37 (page 113)

DAY 5 “Empirical Formulas from Analysis”

Read: pages 96-100

Exercises: 43, 45, (page 113-114)

Day 6 “Quantitative Information from Balanced Equations”

Read: pages 100-104

Exercises: 57, 61, 64 (page 114-115)

Day 7 “Limiting Reactants”

Read: pages 104-109

Exercises: 71, 73, 78, 80 (page 115-116)

Chapter 4 “Aqueous Reactions and Solution Stoichiometry”- Assignments**DAY 1 “General Properties of Aqueous Solutions”**

Read: pages 122-125

Exercises: 1, 3, 9, 10, 11, 14, 15, 18 (page 158)

DAY 2 “Precipitation Reactions”

Read: pages 126-130

Exercises: 19, 21, 23, 24, 27 (page 158)

DAY 3 “Acid-Base Reactions”

Read: pages 131-137

Exercises: 31, 32, 33, 35, 36, 40, (page 159)