Syllabus #12 (Chapters 21,24)

Chapter 21

Visualizing Concepts 2, 4, 6, 8

Section 21.1 (Radioactivity) 9

Section 21.2 (Nuclear Stability) 17, 19, 23

Section 21.3 (Nuclear Transmutations) 25

Section 21.4 (Rates Of Decay) 31, 32, 41

Section 21.6 (energy Changes) 43, 45, 51

Sections 21.7-9 (Uses of Radiation) 55, 56, 57, 58, 61, 62, 64

Additional Exercises 74, 77, 79, 81, 88, 99

Chapter 24

Visualizing Concepts 1, 2, 3, 4, 6

Sections 24.1and 24.2 (Intro to Organic) 9, 11, 13, 14, 15, 18, 20

Section 24.3(Aklenes, -ynes, and Aromatics) 21, 27, 29, 31, 33, 35

Sections 24.4 and24.5 (Functional Groups) 45, 49, 58

Section 24.7 (Proteins) 59, 60

Sections 24.8 and 24.9 (Carbs and Lipids) 67, 73

Section 24.10 (Nucleic Acids) 75

Additional Exercises 81, 84, 88, 95, 102