

Chapter 20 – Lipid Metabolism Part II - Anabolism

Objective	In-text reading	Pre-class materials/activities	In-class materials/activities	Practice problems from text
1. Utilize your understanding of fatty acid synthesis to predict the location of ^{14}C carbons within a synthesized fat.	20.4-20.5	Ch 20 – Lipid Metabolism, Part II – Anabolism (Hayden Lecture) Step by Step animation of FA Metabolism (animation)	S37 Understanding Fatty Acid Biosynthesis	S37 – Post Activity Voet, Voet and Pratt Third Edition: #10, 13, 11 Voet, Voet and Pratt Fourth Edition: #21, 23, 24, 27, 31
2. Understand the relevance of the two naming systems for fatty acids	20.4 (Review 9.1)	Ch 20 – Lipid Metabolism, Part II – Anabolism (Hayden Lecture)	S37 Understanding Fatty Acid Biosynthesis	S37 – Post Activity Voet, Voet and Pratt Third Edition #12, Voet, Voet and Pratt Fourth Edition: #20,
3. Develop your ability to communicate solutions clearly and concisely with structures and labels.		Ch 20 – Lipid Metabolism, Part II – Anabolism (Hayden Lecture) Ch 9 – Lipids and Biological Membranes (Hayden Lecture)	S37 Understanding Fatty Acid Biosynthesis	S37 Post Activity Voet, Voet and Pratt Third Edition #12, Voet, Voet and Pratt Fourth Edition: #20, 29, 30 .

See additional practice problem set on Sapling Online.