

Chapter 9: Lipids

Objective	In-text reading	Pre-class materials/activities	In-class materials/activities	Practice problems from text
1. Review and be able to use the vocabulary pertaining to lipid structure	9.1	Ch. 9 Lipids (Hayden Lecture) Lipids Part 1: TAGs, Fatty Acids and Terpenes (Video)	S14 – Lipid Structure and Function	5 th Ed: 3,5 4 th Ed: 3, 5, 3 rd Ed: 4, 2
2. Assign a potential biological function to a given lipid structure and shape.	9.1	Ch. 9 Lipids (Hayden Lecture) <i>Will cover in-depth in class</i>	S14 – Lipid Structure and Function	5 th Ed: 7, 15 4 th Ed: 7, 15, 3 rd Ed: 6, 11 S-14 Post-Activity Skills Exercises 1-2
3. Describe the connection between lipid structure and function, paying particular attention to membrane fluidity	9.2 & 9.4	Ch. 9 Lipids (Hayden Lecture) Cell Membranes are way more complicated than you think... (video)	S14 – Lipid Structure and Function	5 th Ed: 1, 21 4 th Ed: 1, 21 3 rd Ed: 1, 16
4. Generalize the behavior of lipids in aqueous environments to include the behavior of other hydrophobic molecules in aqueous environments.	9.3 & 9.4	Ch. 9 Lipids (Hayden Lecture) Cell Membranes are way more complicated than you think... (video)	S14 – Lipid Structure and Function	4 th Ed: 11, 17, 19 4 th Ed: 11, 17, 19 3 rd Ed: 8, 13, 14