

Chapter 8 – Carbohydrates

Objective	In-text reading	Pre-class materials/activities	In-class materials/activities	Practice problems from text
1. Recognize and Describe the structural and functional diversity of carbohydrates	7.1-7.2	Ch 7. Carbohydrates (Hayden Lecture) Carbohydrates Part 1 – Simple Sugars (video) Carbohydrates Part 2 – Polysaccharides (video)	S13 Carbohydrates and Glycoproteins	5 th Ed: 1, 5, 23, 14, 13, 30 4 th Ed: 5, 14, 17, 18, 16 3 rd Ed: 4, 10, 11, 16
2. Describe how carbohydrates interact with proteins and explain the consequences of these interactions	7.3	Ch 7. Carbohydrates (Hayden Lecture) Influenza: Get the (antigenic) drift (video) Swine Flu (H1N1) Mechanism of action (video)	S13 Carbohydrates and Glycoproteins	5 th Ed: 11, 20, 19, 18, 33 4 th Ed: 22, 24 3 rd Ed: not in this edition S12 Post Activity Skill Exercises 1 a through c
3. Develop the abilities to identify and use diverse backgrounds of group members to solve interdisciplinary problems		How diversity makes teams more innovative (Ted Talk)	S13 Carbohydrates and Glycoproteins	