

LEARNING OUTCOMES EXPECTED AND TYPICAL ASSESSMENTS FOR
CHEM 103, SUMMER 2004 INSTRUCTOR: H. GOLDWHITE

TEXT: OLMSTED AND WILLIAMS, 3rd. Edn.

Chapter	Learning outcomes	Typical assessment problems
14.5-end	Linking suggested mechanisms to rate laws	14.5.1; 14.5.3; 14.83; 14.92
	Use Arrhenius equation to determine E_a	14.6.2; 14.6.3; 14.45; 14.81
	Define catalyst; understand effect on E_a	14.7.2; 14.7.3; 14.49; 14.50
15	Understand equilibrium law; write K for balanced reaction	15.1.1; 15.1.3
	Relationship between K and Q; size of K	
	Pure liquids and solids in K; Henry's Law	15.2.1; 15.2.3; 15.10
	Relationship between K, Q, and ΔG	15.3.1; 15.3.3; 15.19
	Le Chatelier's principle	15.4.1; 15.4.2; 15.28
	Calculate K; from K calculate eq. concns.	15.31; 15.32; 15.36; 15.37
	Nature of aqueous equilibria for acids, bases salts; spectator ions	15.5.2; 15.5.3; 15.6.1; 15.6.2