

CHEMISTRY 101 FALL 2008

SKILLS SUMMARY

Chapter	Skills	Problems
4	Identify strong, weak, and nonelectrolytes	1 – 3, 7 – 9
	Identify acids, bases, salts	29, 30
	Work with ionic concentrations	54, 56, 58, 60, 64
	Identify strong and weak acids and bases	25, 32, 34
	Solution stoichiometry (neutralizations)	78, 80
	Molecular, total ionic and net ionic equations	21, 22, 23
	Work with solubility rules	20, 22, 23, 24
	Work with oxidation numbers and redox reactions	35 – 38, 39 – 42
	Use the activity series of metals	48 – 50
5	Work with units of pressure	13, 14
	Understand how a barometer works	4 - 7
	Use the kinetic molecular model to explain the gas laws	30, 81, 69, 70, 113
	Work with the gas laws to calculate T, P, and V changes	18, 20, 22, 24
	Work with the ideal gas law	32, 34, 36, 46, 50
	Calculate molecular weight from the mass and volume of a gas	47 - 50
	Work stoichiometry problems with the gas laws	52, 54, 82, 107
Work with partial pressures	58, 60	