

SCH 4C Exam Part #2 - Tentative Outline

	Topic	Marks
1.	write names from formula	10
2.	write formula from names	10
3.	balance skeleton equations	10
4.	write balanced chemical equations from words	6
5.	conversions	12
6.	stoichiometric calculation	8
7.	tougher stoichiometric calculation	16
8.	limiting excess reagent stoichiometric calculation	17
9.	solution calculation ($n=CV$) with mass conversion	5
10.	solution calculation ($n=CV$) with mass conversion	5
11.	solution calculation $C_s D_s = C_D V_D$	3
12.	given organic structure, write functional group, name (information provided) and comment on polarity	24
13.	provide name of functional group	6
14.	describe three different types of intermolecular forces including examples	6
15.	explain with reference to intermolecular forces boiling point and melting point questions	8
16.	write oxidation states for all atoms in various compounds and ions	12
17.	definition for oxidation	1
18.	definition for reduction	1
19.	identify which element is oxidized and which element is reduced in a chemical reaction	(2)
20.	write half cell reactions to determine overall cell reaction and potential difference in volts (half cell reactions given, bring your left and right arm!)	8
	Bonus question: draw and label a diagram of an electrochemical cell using a salt bridge	(5)
TOTAL		168