

Instructor: _____ Daniel BARIL _____ Lab section: _____ 13 – 14 _____

week	Date	Experiment/Activity Title	Report
1	Jan. 23	Check in / Laboratory Safety / Green Chemistry	
2	Jan. 30	Significant Figures	
3	Feb. 6	Excel workshop – Naming compounds	
4	Feb. 13	Stoichiometry	☺
5	Feb. 20	Solution Stoichiometry	☺
6	Feb. 27	Molar Volume of a Gas	Formal
7	March 6	Chemical Reactions	☺
8	March 13	Problem Solving	
	March 20	Study Break – no lab	
9	March 27	Identification of Anions and Cations	☺
10	April 3	Atomic Spectra	Formal
11	April 10	Problem solving	
12	April 17	Volumetric Analysis of Ascorbic Acid (Vitamin C)	☺
13	April 24	Chemical Bonding and mol. shape: VSEPR Theory / Polymer	☺
14	May 1 st	Melting Points	☺
15	May 8	Calorimetry / Check out	☺
16	May 15	No lab	

☺ : Experiments that do not require a full lab report. Students only have to submit a complete data sheet with sample calculations and answer to the questions. Additional submissions may be required by your instructor.

Formal: Formal lab report (Intro, calculations, conclusion, answer to questions, see your lab instructor)

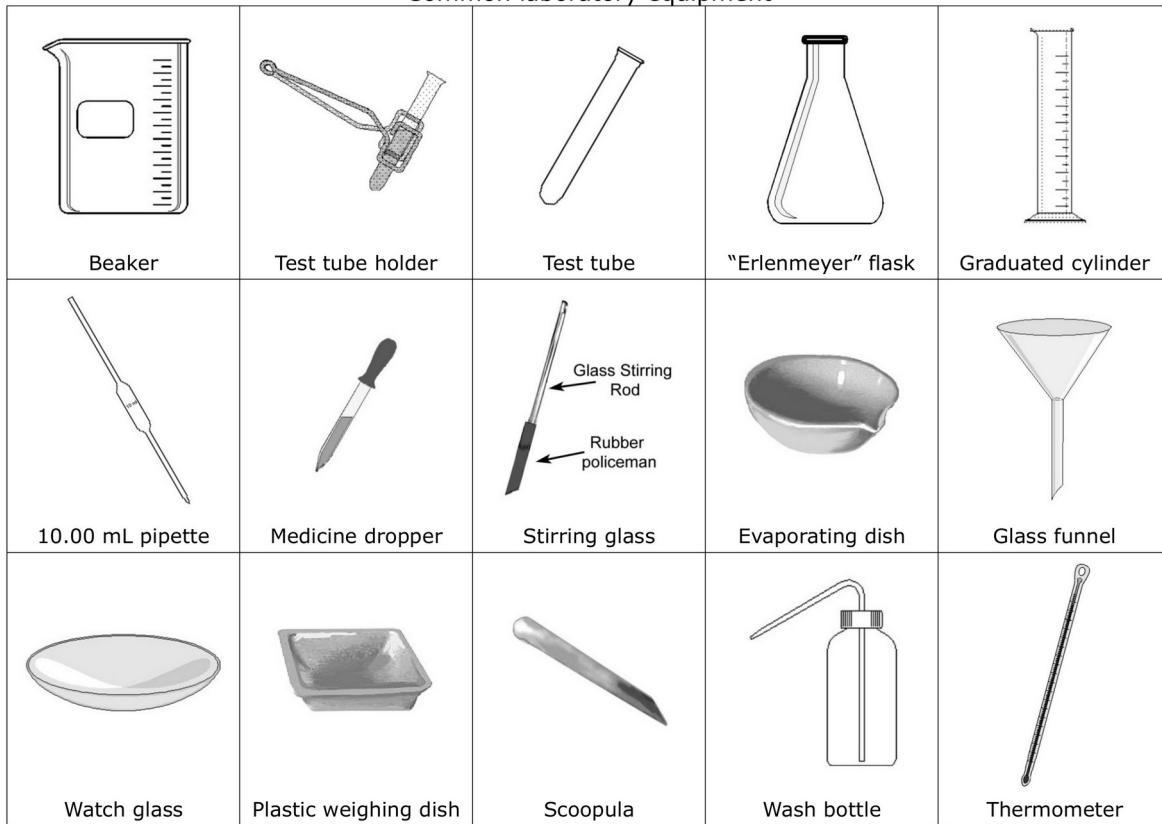
Noncompliance to any of the following safety regulation will result in expulsion from the lab:

- Safety glasses and lab coat must be worn in the laboratory at all times.
- No eating or drinking (not even water from a bottle) is permitted at any time in the laboratory.
- Keep your personal belonging (bag, coat, etc.) out of the working area.
- Report any accident, even minor, to your instructor.

Drawer number : _____

locker combination : _____

Common laboratory equipment



Periodic Table of the Elements

1A		Atomic number symbol mass (amu or g/mol)																		8A	
1	H	6	C	12.01																2	He
1.008	2A																			4.003	
3	4																			10	
Li	Be																			Ne	
6.941	9.012																			20.18	
11	12																			18	
Na	Mg																			Ar	
22.99	24.31	3B	4B	5B	6B	7B	8B	9B	10B	1B	2B	26.98	28.09	30.97	32.07	35.45	39.95				
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36				
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr				
39.10	40.08	44.96	47.87	50.94	52.00	54.94	55.85	58.93	58.69	63.55	65.39	69.72	72.61	74.92	78.96	79.90	83.80				
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54				
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe				
85.47	87.62	88.91	91.22	92.91	95.94	98.00	101.1	102.9	106.4	107.9	112.4	114.8	118.7	121.8	127.6	126.9	131.3				
55	56	57	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86				
Cs	Ba	La*	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn				
132.9	137.3	138.9	178.5	181.0	183.8	186.2	190.2	192.2	195.1	197.0	200.6	204.4	207.2	209.0	(209)	(210)	(222)				
87	88	89	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118				
Fr	Ra	Ac ^a	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Nh	Fl	Mc	Lv	Ts	Og				
(223)	(226)	(227)	(267)	(268)	(269)	(270)	(269)	(278)	(281)	(282)	(285)	(286)	(289)	(289)	(293)	(294)	(294)				
(226)		(227)		(267)		(268)		(269)		(278)		(281)		(282)		(285)		(286)			

*Lanthanides	58	59	60	61	62	63	64	65	66	67	68	69	70	71
	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
^Actinides	140	141	144	145	150	152	157	159	163	165	167	169	173	175
	90	91	92	93	94	95	96	97	98	99	100	101	102	103
^Actinides	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr
	232	231	238	237.1	244	243	247	247	251	252	257	258	259	260