

**NOMENCLATURE #1 - SCH 3U**

Name: \_\_\_\_\_

**Monovalent Cations, Elemental Anions****Provide Names or Formula:**

1	MgCl <sub>2</sub>	21	potassium bromide
2	BaBr <sub>2</sub>	22	magnesium nitride
3	Rb <sub>2</sub> S	23	rubidium oxide
4	CaF <sub>2</sub>	24	barium oxide
5	K <sub>2</sub> S	25	lithium chloride
6	Rb <sub>3</sub> N	26	calcium iodide
7	InBr <sub>3</sub>	27	sodium telluride
8	Al <sub>2</sub> O	28	sodium fluoride
9	SrS	29	barium phosphide
10	Mg <sub>3</sub> N	30	aluminum sulphide
11	Ca <sub>2</sub> C	31	radium chloride
12	LiI	32	strontium selenide
13	H <sub>2</sub> O	33	francium oxide
14	HCl	34	hydrogen sulphide
15	Be <sub>2</sub> N <sub>3</sub>	35	magnesium arsenide
16	CaCl <sub>2</sub>	36	beryllium iodide
17	RaO	37	calcium oxide
18	KI	38	potassium oxide
19	GaAs	39	potassium chloride
20	BaTe	40	zinc chloride

**NOMENCLATURE #2 - SCH 3U**

Name: \_\_\_\_\_

**Polyvalent Cations, Elemental Anions****Provide Names:**

1 KBr	11 $\text{In}_2\text{O}_3$
2 $\text{Li}_2\text{O}$	12 $\text{MnO}_2$
3 $\text{PCl}_3$	13 $\text{Fe}_2\text{O}_3$
4 $\text{PCl}_5$	14 FeS
5 AgCl	15 $\text{Al}_2\text{O}_3$
6 LiF	16 MgO
7 HgO	17 $\text{PbCl}_4$
8 $\text{CdBr}_2$	18 PbO
9 AuN	19 CuCl
10 $\text{OsO}_3$	20 $\text{Ni}_2\text{O}_3$

**Provide Formula:**

21 chromium(VI) oxide	26 stannous oxide
22 arsenic fluoride	27 lead(IV) oxide
23 ferrous sulphide	28 mercuric chloride
24 strontium arsenide	29 mercurous chloride
25 barium nitride	30 cobaltic sulphide

**NOMENCLATURE #3 - SCH 3U**

Name: \_\_\_\_\_

**Polyvalent Cations, Elemental Anions****Provide Names or Formula:**

1	$\text{Fe}_2\text{O}_3$	16	stannous chloride
		17	arsenic chloride
2	$\text{FeO}$	18	antimonous oxide
		19	lithium chloride
3	$\text{Au}_2\text{O}_3$	20	gold(III) nitride
		21	calcium arsenide
4	$\text{Hg}_2\text{O}$	22	arsenous chloride
		23	antimonic oxide
5	$\text{CuBr}$	24	lanthanum fluoride
		25	mercury(I) oxide
6	$\text{SnO}$	26	mercurous sulphide
		27	osmium(IV) chloride
7	$\text{PbCl}_2$	28	uranium(VI) oxide
		29	ferrous nitride
8	$\text{Co}_2\text{S}_3$	30	ferric oxide
		31	cupric oxide
9	$\text{NiCl}_2$	32	zinc oxide
		33	nickel(III) sulphide
10	$\text{CuCl}_2$	34	chromium(VI) oxide
		35	barium nitride
11	$\text{Ag}_3\text{N}$	36	bismuth(V) oxide
12	$\text{BF}_3$	37	tantalum(V) fluoride
13	$\text{K}_2\text{S}$	38	cuprous oxide
14	$\text{OsF}_8$	39	aurous sulphide
15	$\text{TiO}_2$	40	sulphur(VI) oxide

**NOMENCLATURE #4 - SCH 3U**  
**Polyvalent Cations, Polyatomic Anions**

Name: \_\_\_\_\_

**Provide Names or Formula:**

1	$\text{NaClO}_3$	19	cobaltous nitrate
2	$\text{NaCl}$	20	plumbic sulphate
3	$\text{Na}_2\text{SO}_4$	21	sodium sulphite
4	$\text{Na}_2\text{S}$	22	tin(IV) chloride
5	$\text{Al}_2(\text{SO}_4)_3$	23	antimonic phosphate
6	$\text{KNO}_3$	24	aluminum sulphate
7	$\text{K}_3\text{PO}_4$	25	polonium(IV) iodate
8	$\text{Au}_2(\text{CO}_3)_3$	26	ferric perchlorate
		27	manganese(VII) nitrite
9	$\text{AgNO}_3$	28	auric perchlorate
10	$\text{KNO}_2$	29	silver carbonate
11	$\text{Li}_3\text{PO}_3$	30	aurous sulphate
12	$\text{NaIO}_4$	31	scandium phosphate
13	$\text{Al}(\text{IO}_3)_3$	32	stannic hydroxide
14	$\text{NaBrO}_3$	33	hydrogen cyanide
15	$\text{FeCO}_3$	34	ammonium chloride
		35	calcium hydroxide
16	$\text{CuCO}_3$	36	potassium cyanide
		37	cupric phosphite
17	$\text{HgClO}_4$	38	ammonium carbonate
		39	stannous nitride
18	$\text{Pt}(\text{ClO}_4)_4$	40	stannous nitrate

**NOMENCLATURE #5 - SCH 3U**

Name: \_\_\_\_\_

**Acid Nomenclature:**

1	$\text{HIO}_3(\text{aq})$	21	$\text{HNO}_3(\text{aq})$
2	$\text{HI}(\text{aq})$	22	$\text{HNO}_2(\text{aq})$
3	$\text{HIO}_3$	23	$\text{H}_3\text{PO}_3(\text{aq})$
4	$\text{HI}$	24	$\text{KNO}_2(\text{aq})$
5	$\text{HClO}_4(\text{aq})$	25	$\text{HF}$
6	$\text{KClO}_4$	26	nitrous acid
7	$\text{H}_3\text{PO}_4(\text{aq})$	27	hydrochloric acid
8	$\text{H}_2\text{SO}_4(\text{aq})$	28	chloric acid
9	$\text{HBrO}_3(\text{aq})$	29	chlorous acid
10	$\text{HBr}(\text{aq})$	30	periodic acid
11	$\text{H}_2\text{O}$	31	hydrogen sulphide
12	$\text{H}_2\text{S}(\text{aq})$	32	hydrogen peroxide
13	$\text{H}_2\text{S}$	33	sulphurous acid
14	$\text{HClO}$	34	carbonic acid
15	$\text{HClO}_2(\text{aq})$	35	hydrogen sulphate
16	$\text{HClO}_3(\text{aq})$	36	nitric acid
17	$\text{HClO}_4(\text{aq})$	37	sodium phosphate
18	$\text{Na}_2\text{CO}_3$	38	phosphoric acid
19	$\text{H}_2\text{CO}_3$	39	hydrosulphuric acid
20	$\text{H}_2\text{CO}_3(\text{aq})$	40	bromic acid

**NOMENCLATURE #6 - SCH 3U**

Name: \_\_\_\_\_

**Prefix Method:**

1	monomercury oxide	11	As <sub>2</sub> O <sub>5</sub>
2	mercury monochloride	12	CO <sub>2</sub>
3	nickel trioxide	13	CuO
4	iodine heptafluoride	14	PbCl <sub>4</sub>
5	phosphorus pentoxide	15	Pb(SO <sub>4</sub> ) <sub>2</sub>
6	copper dichloride	16	PbO
7	iron trichloride	17	Au <sub>2</sub> O
8	chromium trioxide	18	SnCl <sub>4</sub>
9	sulphur dioxide	19	CO
10	sulphur trioxide	20	CaCl <sub>2</sub>

**NOMENCLATURE #7 - SCH 3U****Miscellaneous:**

1	H <sub>2</sub> O <sub>2</sub>	11	silver peroxide
2	BaO <sub>2</sub>	12	sodium bicarbonate
3	AuHSO <sub>4</sub>	13	ammonium phosphate
4	Zn(CN) <sub>2</sub>	14	zinc peroxide
5	HIO <sub>4</sub> (aq)	15	ferric hydroxide
6	NaHSO <sub>3</sub>	16	potassium bisulphate
7	Fe(HCO <sub>3</sub> ) <sub>3</sub>	17	calcium bisulphite
8	CdO <sub>2</sub>	18	hydrobromic acid
9	Ca(OH) <sub>2</sub>	19	lead(II) bicarbonate
10	Al(OH) <sub>3</sub>	20	vanadium(IV) hydroxide