J. Kropac

SCH 3U

SCH 3U Test Review

1) What is the law of conservation of mass?

2) What is meant by the term binary compound?

3) What is a polyatomic ion?

4) What does '-ate', 'ite', 'per', and 'hypo-ite' mean in terms on the number of oxygen atoms an oxyanion contains.

5) What is the name difference between H_2O_2 and H_2O?

Be able to:

- Recognize and name various compounds
    - This includes multivalent, ionic, covalent, polyatomic, and acids
- Write chemical formulas
- Balance equations

Hydrogen sulfide gas $H_2S_{(g)}$

Aluminum oxide Al_2O_3

Sulfur tetrachloride SCl_4

Hydrobromic acid $HBr_{(aq)}$

Calcium oxide CaO

Ammonium chloride NH_4Cl

Zinc carbonate $ZnCO_3$

Iron (II) sulfide FeS

Arsenic trifluoride AsF_3

Lead (II) sulfate $PbSO_4$

Hypochlorous acid $HClO_{(aq)}$

CO	carbon monoxide
$LiHCO_3$	lithium bicarbonate
CS_2	carbon disulfide
HgO	mercury (II) oxide
$H_2S_{(aq)}$	hydrosulfuric acid
$HI_{(g)}$	hydrogen iodide gas
$Cr(ClO)_3$	chromium(III) hypochlorite
Na_2O_2	sodium peroxide
CO_2	carbon dioxide
$Ba(ClO_3)_2$	barium chlorate
$Co(NO_3)_2$	cobalt (II) nitrate

J. Kropac

SCH 3U

Cesium bromide	$CsBr$
Aluminum sulfide	Al_2S_3
Strontium chlorate	$Sr(ClO_3)_2$
Cobalt (II) nitrate	$Co(NO_3)_2$
Cadmium fluoride	CdF_2
Silver oxide	Ag_2O
Silver bromide	$AgBr$
Lead (II) sulfite	$PbSO_3$
Aluminum sulfate	~~Al...~~ $Al_2(SO_4)_3$
Dinitrogen pentoxide	N_2O_5
Magnesium perchlorate	$Mg(ClO_4)_2$
Hydrosulfuric acid	$H_2S_{(aq)}$
Sodium carbonate	Na_2CO_3
Carbon disulfide	CS_2
Calcium nitride	Ca_3N_2
Zinc carbonate	$ZnCO_3$
Ammonium oxalate	$(NH_4)_2C_2O_4$
Barium hydroxide	$Ba(OH)_2$
Perchloric acid	$HClO_{4(aq)}$
Magnesium iodide	MgI_2
Potassium hypochlorite	$KClO$
Aluminum sulfate	$Al_2(SO_4)_3$
Sulfur hexafluoride	SF_6
Hydrogen peroxide	H_2O_2

P_2Cl_{10}	diphosphorus decachloride
$Hg_2(NO_2)_2$	mercury (II) nitrite
NH_4OH	ammonium hydroxide
$PbSO_4$	lead (II) sulfate
NO_2	nitrogen dioxide
$Mn(BrO_3)_2$	magnese(II) bromate
$H_2CO_{3(aq)}$	carbonic acid
$Co_2(SO_4)_3$	cobalt (III) sulfate
SnF_4	Tin (IV) fluoride
$Ni(NO_3)_3$	nickel (III) nitrate
ZnS	zinc sulfide
$KMnO_4$	potassium permagnate
$HF_{(g)}$	~~hydro fluoric~~ hydrogen fluoride ga
$Fe(OH)_3$	iron (III) hydroxide
SCl_2	sulfur dichloride
$HClO_{(aq)}$	hypochlorous acid
$MgCO_3$	magnesium carbonate
CCl_4	carbon tetra chloride
$KClO_2$	potassium chlorite
AgI	silver iodide
$ZnCO_3$	zinc carbonate
$H_3PO_{4(aq)}$	phosphoric acid
$MnCl_4$	magnese (IV) chloride