

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

**SCH 4C Nomenclature Review**

Give the one and only name for each of the following:

1. NaCl sodium chloride
2. MgCl<sub>2</sub> magnesium chloride
3. Hf<sub>3</sub>P<sub>4</sub> hafnium phosphide
4. ScI<sub>3</sub> scandium iodide

Give the name for each of the following:

5. Cu<sub>3</sub>N copper(I) nitride
6. Fe<sub>2</sub>C iron(II) carbide
7. Au<sub>2</sub>O<sub>3</sub> gold(III) oxide
8. HgO mercury(II) oxide
9. PbCl<sub>4</sub> lead(IV) chloride
10. SbCl<sub>5</sub> antimony(V) chloride
11. SnS tin(II) sulphide
12. As<sub>2</sub>O<sub>3</sub> arsenic(III) oxide
13. As<sub>2</sub>S<sub>5</sub> arsenic(V) sulphide
14. PbCl<sub>2</sub> lead(II) chloride

Give the one and only name for each of the following:

15. H<sub>2</sub>CO<sub>3</sub> hydrogen carbonate
16. NaClO<sub>3</sub> sodium chlorate
17. Ca<sub>3</sub>PO<sub>4</sub> calcium phosphate
18. Al(OH)<sub>3</sub> aluminum hydroxide
19. Sr(NO<sub>3</sub>)<sub>2</sub> strontium nitrate
20. HCl hydrogen chloride
21. HClO<sub>3</sub> hydrogen chlorate
22. H<sub>2</sub>SO<sub>4</sub> hydrogen sulphate
23. CaCO<sub>3</sub> calcium carbonate
24. GaPO<sub>4</sub> gallium phosphate (gallium(III) phosphate)
25. H<sub>3</sub>PO<sub>4</sub> hydrogen phosphate
26. NH<sub>4</sub>ClO<sub>3</sub> ammonium chlorate
27. HClO<sub>3</sub> hydrogen chlorate

28.  $\text{Zr}(\text{OH})_4$       zirconium hydroxide  
29. HI                hydrogen iodide  
30. HCN              hydrogen cyanide  
31.  $\text{K}_2\text{SO}_4$         potassium sulphate  
32.  $\text{H}_2\text{O}$             hydrogen oxide

Give the I.U.P.A.C. name only for each of the following:

33.  $\text{Sn}(\text{NO}_3)_4$       tin(IV) nitrate  
34.  $\text{PbCO}_3$           lead(II) carbonate  
35.  $\text{Au}_2(\text{SO}_4)_3$       gold(III) sulphate  
36.  $\text{IF}_7$              iodine(VII) fluoride

Give the correct formula for each of the following names:

37. Boron fluoride                       $\text{BF}_3$   
38. Hydrogen oxide                       $\text{H}_2\text{O}$   
39. Scandium bromide                     $\text{ScBr}_3$   
40. Arsenic(V) chloride                 $\text{AsCl}_5$   
41. Hydrochloric acid                     $\text{HCl}$   
42. Iodine(I) chloride                   $\text{ICl}$   
43. Iron(III) chlorate                    $\text{Fe}(\text{ClO}_3)_3$   
44. Copper(II) sulphide                  $\text{CuS}$   
45. Chromium(VI) carbonate              $\text{Cr}(\text{CO}_3)_3$   
46. Nickel(II) nitrate                    $\text{Ni}(\text{NO}_3)_2$   
47. Ammonium sulphate                   $(\text{NH}_4)_2\text{SO}_4$   
48. Silver nitrate                        $\text{AgNO}_3$   
49. Magnesium hydroxide                $\text{Mg}(\text{OH})_2$   
50. Hydrogen chlorate                    $\text{HClO}_3$   
51. Lead(II) sulphate                    $\text{PbSO}_4$   
52. Sodium carbonate                    $\text{Na}_2\text{CO}_3$   
53. Tin(IV) chloride                     $\text{SnCl}_4$   
54. Hydrogen fluoride                    $\text{HF}$   
55. Lead(IV) oxide                       $\text{PbO}_2$   
56. Sodium oxide                         $\text{Na}_2\text{O}$   
57. Gold(I) carbonate                    $\text{Au}_2\text{CO}_3$

58.	Manganese(VII) nitride	$\text{Mn}_3\text{N}_7$
59.	Zinc sulphide	$\text{ZnS}$
60.	Copper(I) chloride	$\text{CuCl}$
61.	Mercury(II) chloride	$\text{HgCl}_2$
62.	Nitrogen(II) oxide	$\text{NO}$
63.	Tin(IV) sulphate	$\text{Sn}(\text{SO}_4)_2$
64.	Sulphur(VI) oxide	$\text{SO}_3$
65.	Gold(III) sulphate	$\text{Au}_2(\text{SO}_4)_3$
66.	Nitrogen gas (tricky)	$\text{N}_2$ (diatomic)
67.	Silver phosphate	$\text{Ag}_3\text{PO}_4$
68.	Potassium cyanide	$\text{KCN}$
69.	Ammonium hydroxide	$\text{NH}_4\text{OH}$
70.	Sulphur(IV) oxide	$\text{SO}_2$
71.	Hydrogen Carbonate	$\text{H}_2\text{CO}_3$
72.	Carbon(IV) sulphide	$\text{CS}_2$
73.	Gold(I) oxide	$\text{Au}_2\text{O}$
74.	Silicon(IV) oxide	$\text{SiO}_2$
75.	Hydrogen Sulphate	$\text{H}_2\text{SO}_4$
76.	Lithium hydride	$\text{LiH}$
77.	Calcium carbonate	$\text{CaCO}_3$
78.	Calcium hydroxide	$\text{Ca}(\text{OH})_2$
79.	Strontium nitrate	$\text{Sr}(\text{NO}_3)_2$
80.	Platinum(II) oxide	$\text{PtO}$
81.	Lead(II) phosphate	$\text{Pb}_3(\text{PO}_4)_2$
82.	Hydrogen chlorate	$\text{HClO}_3$
83.	Antimony(V) sulphate	$\text{Sb}_2(\text{SO}_4)_5$
84.	Iron(II) carbonate	$\text{FeCO}_3$
85.	Aluminum hydroxide	$\text{Al}(\text{OH})_3$
86.	Lithium carbonate	$\text{Li}_2\text{CO}_3$