

## REGULAR LAB 04a: Inorganic Nomenclature

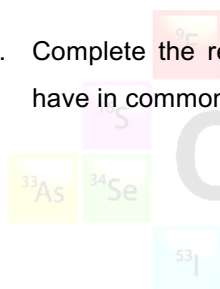
**Aim** To identify inorganic compounds by name and formula

**Apparatus** 24 sealed test tubes containing various inorganic compounds. Label with formula or name for each tube.

**Chemicals** Various

### **Method**

1. Visit each set of chemicals and read the name or formula given on the card for each bottle in the set.
2. Record the name or formula in your results table and fill in the missing name or formula for each bottle in the set.
3. Write a brief description of each compound in the set.
4. Complete the results table by finding something that all three compounds in each set have in common with one another.



Chemistry Pages

**Results**

SET A		
NAME	FORMULA	DESCRIPTION
1.		
2.		
3.		
Commonality		

SET B		
NAME	FORMULA	DESCRIPTION
1.		
2.		
3.		
Commonality		

SET C		
NAME	FORMULA	DESCRIPTION
1.		
2.		
3.		
Commonality		

SET D		
NAME	FORMULA	DESCRIPTION
1.		
2.		
3.		
Commonality		

SET E		
NAME	FORMULA	DESCRIPTION
1.		
2.		
3.		
Commonality		

SET F		
NAME	FORMULA	DESCRIPTION
1.		
2.		
3.		
Commonality		

SET G		
NAME	FORMULA	DESCRIPTION
1.		
2.		
3.		
Commonality		


SET H		
NAME	FORMULA	DESCRIPTION
1.		
2.		
3.		
Commonality		



<p>A1</p> <p>Sodium nitrate</p>	<p>A2</p> <p><math>K_2SO_4</math></p>	<p>A3</p> <p>Lithium chloride</p>
<p>B1</p> <p><math>CuCl_2</math></p>	<p>B2</p> <p><math>CuSO_4</math></p>	<p>B3</p> <p>Copper(II) nitrate</p>

<p>C1</p> <p>Copper(II) sulfate</p>	<p>C2</p> <p>Cobalt(II) chloride</p>	<p>C3</p> <p><math>\text{Ca}(\text{NO}_3)_2</math></p>
<p>D1</p> <p>Copper(II) chloride</p>	<p>D2</p> <p>Zinc oxide</p>	<p>D3</p> <p>Chromium(III) nitrate</p>



<p>E1</p> <p><math>\text{KClO}_3</math></p>	<p>E2</p> <p><math>\text{KMnO}_4</math></p>	<p>E3</p> <p><math>\text{Co}(\text{NO}_3)_3</math></p>
<p>F1</p> <p><math>\text{FeCl}_3</math></p> 	<p>F2</p> <p>Sodium fluoride</p>	<p>F3</p> <p><math>\text{NaCl}</math></p>

<p>G1</p> <p>Hydrochloric acid</p>	<p>G2</p> <p><math>H_2SO_4</math></p>	<p>G3</p> <p><math>NH_4OH</math></p>
<p>H1</p> <p><math>Ca(OH)_2</math></p>	<p>H2</p> <p>Sodium hydroxide</p>	<p>H3</p> <p>Sodium carbonate</p>