

Inorganic Nomenclature

1.- Write the formula or give the name of the following halides or hydrides:

- | | |
|--------------------------|--------------------|
| a) Aluminium chloride | k) PBr_5 |
| b) Calcium fluoride | l) CCl_4 |
| c) Rubidium bromide | m) HF |
| d) Mercury (II) hydride | n) NH_3 |
| e) Tin (II) iodide | o) CoI_2 |
| f) Ammonium chloride | p) MgF_2 |
| g) Palladium (IV) iodide | q) PtBr_4 |
| h) Antimony pentabromide | r) FeH_2 |
| i) Silane | s) KCl |
| j) Sulphur hexafluoride | t) CdI_2 |

2.- Write the formula or give the name of the following oxides or sulphides:

- | | |
|-------------------------------|----------------------------|
| a) Diboron trioxide | k) As_2O_5 |
| b) Diphosphorus pentasulphide | l) Cl_2O_7 |
| c) Diantimony trioxide | m) TeO_3 |
| d) Selenium dioxide | n) SiO_2 |
| e) Carbon monoxide | o) N_2O_4 |
| f) Titanium (IV) oxide | p) BaO |
| g) Strontium oxide | q) Rb_2O |
| h) Ammonium sulphide | r) CrO_3 |
| i) Potassium selenide | s) MnO_2 |
| j) Magnesium telluride | t) Pb_3O_4 |

3.- Write the formula or give the name of the following ternary substances:

- a) Beryllium hydroxide
- b) Nitric acid
- c) Lithium chlorate
- d) Tin (II) hydroxide
- e) Sodium hypochlorite
- f) Silver carbonate
- g) Calcium phosphate
- h) Barium hydroxide
- i) Ammonium perchlorate
- j) Nitrous acid
- k) ZnSO_4
- l) $\text{Co}(\text{OH})_3$
- m) H_2SO_2
- n) KClO_2
- o) $\text{Pt}(\text{OH})_4$
- p) Na_3PO_4
- q) HgClO_3
- r) H_2CO_3
- s) CuOH
- t) $(\text{NH}_4)_2\text{SO}_3$

4.- Write the formula or give the name of the following chemical substances:

- | | |
|------------------------|----------------------------------|
| a) Potassium fluoride | k) FeO |
| b) Nickel (II) oxide | l) HgCl ₂ |
| c) Silver nitrate | m) PF ₃ |
| d) Sulphur trioxide | n) N ₂ O ₅ |
| e) Barium hydroxide | o) MgBr ₂ |
| f) Caesium hydride | p) Cu(OH) ₂ |
| g) Aluminium hydroxide | q) SiH ₄ |
| h) Hydroiodic acid | r) B(OH) ₃ |
| i) Rubidium sulphide | s) NH ₃ |
| j) Diarsenic trioxide | t) HClO |

5.- Write the formula of these chemical substances:

- | | |
|-----------------------|---------------------------|
| a) Beryllium chloride | k) Rubidium iodide |
| b) Lithium oxide | l) Sulphur hexafluoride |
| c) Magnesium hydride | m) Potassium perchlorate |
| d) Boron trifluoride | n) Zinc oxide |
| e) Tin (II) hydroxide | o) Platinum tetrachloride |
| f) Chlorous acid | p) Nitric acid |
| g) Sodium carbonate | q) Silver oxide |
| h) Iron (II) sulphate | r) Stibane |
| i) Lead (IV) oxide | s) Calcium hydroxide |
| j) Mercury dibromide | t) Hydrochloric acid |

6.- Give the name of the following chemical substances:

- a) PH₃
- b) CoO
- c) SrH₂
- d) CF₄
- e) Pt(OH)₂
- f) H₂SO₂
- g) NaNO₂
- h) Ca(ClO₃)₂
- i) AgI
- j) PdO₂
- k) Al(OH)₃
- l) BaBr₂
- m) HIO₄
- n) Au₂O
- o) CdCl₂
- p) H₂S
- q) MgCO₃
- r) N₂O₄
- s) CuI₂
- t) H₂O₂

7.- Write the formula of the following chemical substances:

- | | |
|------------------------|--------------------------|
| a) Calcium chloride | k) Sodium carbonate |
| b) Potassium sulphate | l) Barium hydroxide |
| c) Copper (II) hydride | m) Cadmium oxide |
| d) Boron trifluoride | n) Nickel trichloride |
| e) Lead (II) hydroxide | o) Mercury (II) hydride |
| f) Hydrofluoric acid | p) Silver phosphate |
| g) Iron (II) sulphide | q) Diarsenic pentaoxide |
| h) Tin (IV) oxide | r) Gold (III) iodide |
| i) Nitric acid | s) Hydrogen peroxide |
| j) Rubidium iodide | t) Platinum tetrabromide |

8.- Give the name of the following chemical substances:

- a) NH_3
- b) CoO
- c) SrH_2
- d) Cs_2SO_4
- e) $\text{Pt}(\text{OH})_2$
- f) PF_3
- g) $\text{Ca}(\text{NO}_2)_2$
- h) AgI
- i) PdO_2
- j) $\text{B}(\text{OH})_3$
- k) BaBr_2
- l) HClO_4
- m) Au_2O
- n) CdCl_2
- o) RbH
- p) SeO_3
- q) SbCl_5
- r) SnO
- s) HI
- t) BeO_2

9.- Write the formula or give the name of the following chemical substances:

- | | |
|-------------------------|-----------------------------|
| a) Calcium sulphate | k) NH_3 |
| b) Boron trifluoride | l) SeO_3 |
| c) Lead (II) hydroxide | m) SrH_2 |
| d) Hydrosulphuric acid | n) $\text{Pt}(\text{OH})_2$ |
| e) Iron (III) oxide | o) PF_3 |
| f) Nitric acid | p) AgNO_3 |
| g) Palladium monoxide | q) HClO_4 |
| h) Mercury (II) hydride | r) CdCl_2 |
| i) Diantimony trioxide | s) CoS |
| j) Sodium peroxide | t) BeO_2 |

10.- Write the formula or give the name of the following chemical substances:

- | | |
|----------------------|---------------------------|
| a) FeO | f) Lead (IV) oxide |
| b) CuH | g) Phosphorus trifluoride |
| c) AgCl | h) Aluminium bromide |
| d) HNO ₂ | i) Carbonic acid |
| e) CaSO ₃ | j) Potassium perchlorate |

11.- Fill the table :

	FORMULA	Covalent substances	Common name / Stock
1	CF ₄		-
2	CoO		
3	SrH ₂	-	
4	NH ₃	-	
5	Pt(OH) ₂		
6	AgI	-	
7	SO ₂		-
8	H ₂ Se		
9	Au ₂ O	-	
10	SbCl ₅		-
11			Potassium oxide
12			Sodium hydride
13		Boron trifluoride	
14			Lead (II) hydroxide
15			Hydrofluoric acid
16			Iron (III) sulphide
17			Tin (IV) oxide
18		Mercury dibromide	
19			Rubidium iodide
20		Sulphur hexafluoride	

12.- Write the formula or give the name of the following substances: