IONIC COMPOUNDS: Names and Formulas

1.	Write the formulas for the following compounds	s.
a.	magnesium oxide	k. tin (II) fluoride
b	aluminum nitride	l. lead (IV) nitride
c.	potassium sulfide	m. iron (III) chloride
d	calcium bromide	n. copper (I) oxide
e.	aluminum sulfide	o. gold (III) sulfide
f.	beryllium oxide	p. mercury (II) oxide
g	strontium phosphide	q. tin (IV) iodide
h	sodium fluoride	r. copper (II) phosphide
i.	lithium nitride	s. cobalt (II) sulphide
j.	barium oxide	t. tin (IV) sulphide
2	W.:	
2.	Write the names for the following compounds.	
a.	Li ₂ O	k. PbS
b	AlCl ₃	1. SnO ₂
c.	MgS	m. NiO
d	. CaF ₂	n. CuI ₂
e.	Al ₂ O ₃	o. PbCl ₄
f.	BeF ₂	p. FeP
g	. K ₃ P	q. AuBr ₃
h	Mg_3P_2	r. Hg ₂ S
i.	CaO	s. SbF ₃
j.	Ag ₂ S	t. MnO ₂

POLYATOMIC COMPOUNDS: Names and Formulas

3.	Write the formulas for the following compounds	•	
a.	magnesium carbonate	k.	tin (II) hydrogen carbonate
b.	aluminum nitrate	1.	lead (IV) nitrate
c.	potassium sulfate	m.	iron (III) carbonate
d.	calcium hydroxide	n.	copper (II) hydroxide
e.	aluminum sulfate	о.	lead (II) nitrate
f.	sodium carbonate	p.	mercury (II) hydrogen sulfate
g.	strontium phosphate	q.	tin (IV) phosphate
h.	sodium hydrogen carbonate	r.	lead (IV) hydroxide
i.	lithium nitrate	s.	potassium nitrate
j.	aluminum hydroxide	t.	tin (IV) sulphate
4.	Write the names for the following compounds.		
a.	Li ₂ SO ₄	k.	PbSO ₄
b.	Al(HCO ₃) ₃	1.	AuOH
c.	MgSO ₄	m.	GaPO ₄
d.	K ₂ CO ₃	n.	Cu(NO ₃)
e.	Na ₂ SO ₄	о.	Pb(HSO ₄) ₄
f.	AgNO ₃	p.	Fe(HCO ₃) ₃
g.	K ₃ PO ₄	q.	Au ₂ CO ₃
h.	Sr(HSO ₄) ₂	r.	HgOH
i.	RbOH	s.	Sb ₂ (SO ₄) ₃
j.	NaHCO ₃	t.	MnSO ₄

MOLECULAR COMPOUNDS:Names and Formulas

5.	Write the formulas for the following compounds	
a	carbon dioxide	k. diphosphorus trisulphide
b	silicon dioxide	1. dinitrogen monoxide
c	water	m. dichlorine monoxide
d	carbon disulphide	n. bromine gas
e	sulphur trioxide	o. carbon monoxide
f.	carbon tetrachloride	p. xenon tetrafluoride
g	sulphur dioxide	q. neon gas
h	dinitrogen tetroxide	r. silicon tetrahydride
i.	nitrogen monoxide	s. iodine heptachloride
j.	arsenic tribromide	t. krypton difluoride
6.	Write the names for the following compounds.	
	CF ₄	k. NF ₃
	NH ₃	1. P ₂ S ₅
	PBr ₃	m. PF ₅
	F ₂ gas	n. ICl
	CS_2	o. SeCl ₂
	CO	p. Cl ₂ O
\mathcal{C}	. SIC	q. AsBr ₃
h	. SiC	
	. N ₂ O ₄	r. H ₂ S
i.		 q. AsBr₃ r. H₂S s. B₂H₈ t. TeCl₂

PUTTING IT ALL TOGETHER:Names and Formulas

7.	Write the formulas for the following compounds	s.
a.	calcium fluoride	k. potassium sulphate
b.	carbon disulfide	1. barium nitride
c.	nitrogen triodide	m. aluminum hydroxide
d.	sodium phosphide	n. fluorine gas
e.	dichlorine monoxide	o. silicon dioxide
f.	iron (III) carbonate	p. calcium hydroxide
g.	manganese (IV) sulphate	q. xenon gas
h.	diphosphorus pentasulphide	r. gold (I) nitrate
i.	tin (IV) chloride	s. sulphur trioxide
j.	magnesium hydrogen carbonate	t. iron (II) phosphate
8.	Write the names for the following compounds.	
		1. NaNO
a.	CCl ₄	k. NaNO ₃
b.	$Mg(HSO_4)_2$	1. PCl ₅
c.	PBr ₃	m. BiF ₅
d.	H ₂ gas	n. Al(HCO ₃) ₃
e.	PbS ₂	o. FeCl ₂
f.	Al ₂ (CO ₃) ₃	p. N ₂ O
g.	Na ₂ SO ₄	q. CuHSO ₄
h		q. cariso ₄
11.	Na ₂ O	r. Li ₃ PO ₄
	Na ₂ O Al ₂ (SO ₄) ₃	