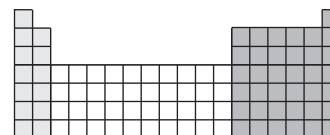


Nomenclature Sheet



Binary Ionic Compounds

name of cation (metal)	base name of anion + <i>-ide</i>
⊕ NaCl	sodium chloride

Ionic Compounds (Polyatomic)

name of cation (metal)	name of polyatomic anion
⊕ NaNO ₃	sodium nitrate

- 1 _____ calcium chloride
- 2 MgF₂ _____
- 3 _____ cesium iodide
- 4 BaBr₂ _____

- 5 MgSO₄ _____
- 6 _____ magnesium hydroxide
- 7 NH₄NO₃ _____
- 8 _____ sodium acetate

Binary Transition Metal Compounds

name of cation (transition metal)	charge of cation in roman numerals in parentheses	base name of anion + <i>-ide</i>
⊕ FeCl ₃	iron(III)	chloride

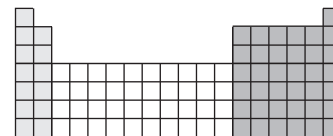
- 9 FeCl₃ _____
- 10 _____ chromium(VI) oxide
- 11 V₂O₅ _____
- 12 _____ nickel(II) chloride

- 13 _____ cobalt(II) nitrate
- 14 Mn(C₂H₃O₂)₃ _____
- 15 _____ copper(II) sulfate
- 16 Pb(SO₃)₂ _____

Answers

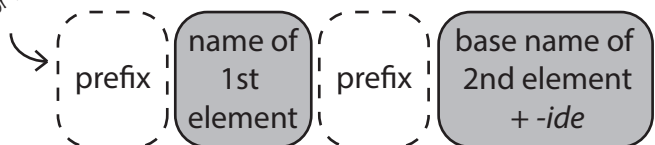
1	CaCl ₂	calcium chloride	5	MgSO ₄	magnesium sulfate	9	FeCl ₃	iron(III) chloride	13	Co(NO ₂) ₂	cobalt(II) nitrate
2	MgF ₂	magnesium fluoride	6	Mg(OH) ₂	magnesium hydroxide	10	CrO ₃	chromium(VI) oxide	14	Mn(C ₂ H ₃ O ₂) ₃	manganese(III) acetate
3	CsI	cesium iodide	7	NH ₄ NO ₃	ammonium nitrate	11	V ₂ O ₅	vanadium(V) oxide	15	CuSO ₄	copper(II) sulfate
4	BaBr ₂	barium bromide	8	NaC ₂ H ₃ O ₂	sodium acetate	12	NiCl ₂	nickel(II) chloride	16	Pb(SO ₃) ₂	lead(IV) sulfate

Nomenclature Sheet (Back)



Not necessary for mono!

Molecular Compounds

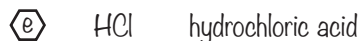
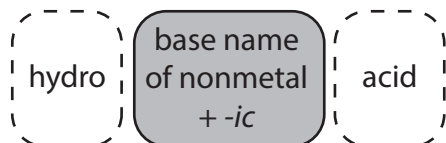


- ⑥ CO carbon monoxide
- 1 _____ carbon dioxide
- 2 SiCl₄ _____
- 3 _____ dinitrogen pentoxide
- 4 Si₃N₄ _____

Prefixes			
mono	1	hexa	6
di	2	hepta	7
tri	3	octa	8
tetra	4	nona	9
penta	5	deca	10

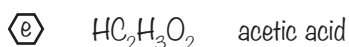
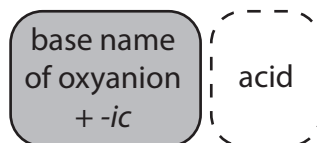
For Molecular Compounds Only!

Binary Acids



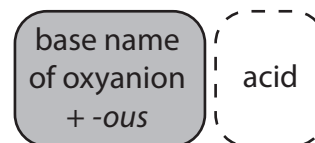
- 5 HF _____
- 6 _____ hydrobromic acid
- 7 HI _____

Oxyanion (-ate) Acids



- 8 _____ perchloric acid
- 9 HNO₃ _____
- 10 _____ hypochlorous acid
- 11 H₂SO₄ _____

Oxyanion (-ite) Acids



Answers

1	CO ₂	carbon dioxide	5	HF	hydrofluoric acid	8	HClO ₄	perchloric acid
2	SiCl ₄	silicon tetrachloride	6	HBr	hydrobromic acid	9	HNO ₃	nitric acid
3	N ₂ O ₅	dinitrogen pentoxide	7	HI	hydroiodic acid	10	HClO	hypochlorous acid
4	Si ₃ N ₄	trisilicon tetranitride				11	H ₂ SO ₄	sulfuric acid