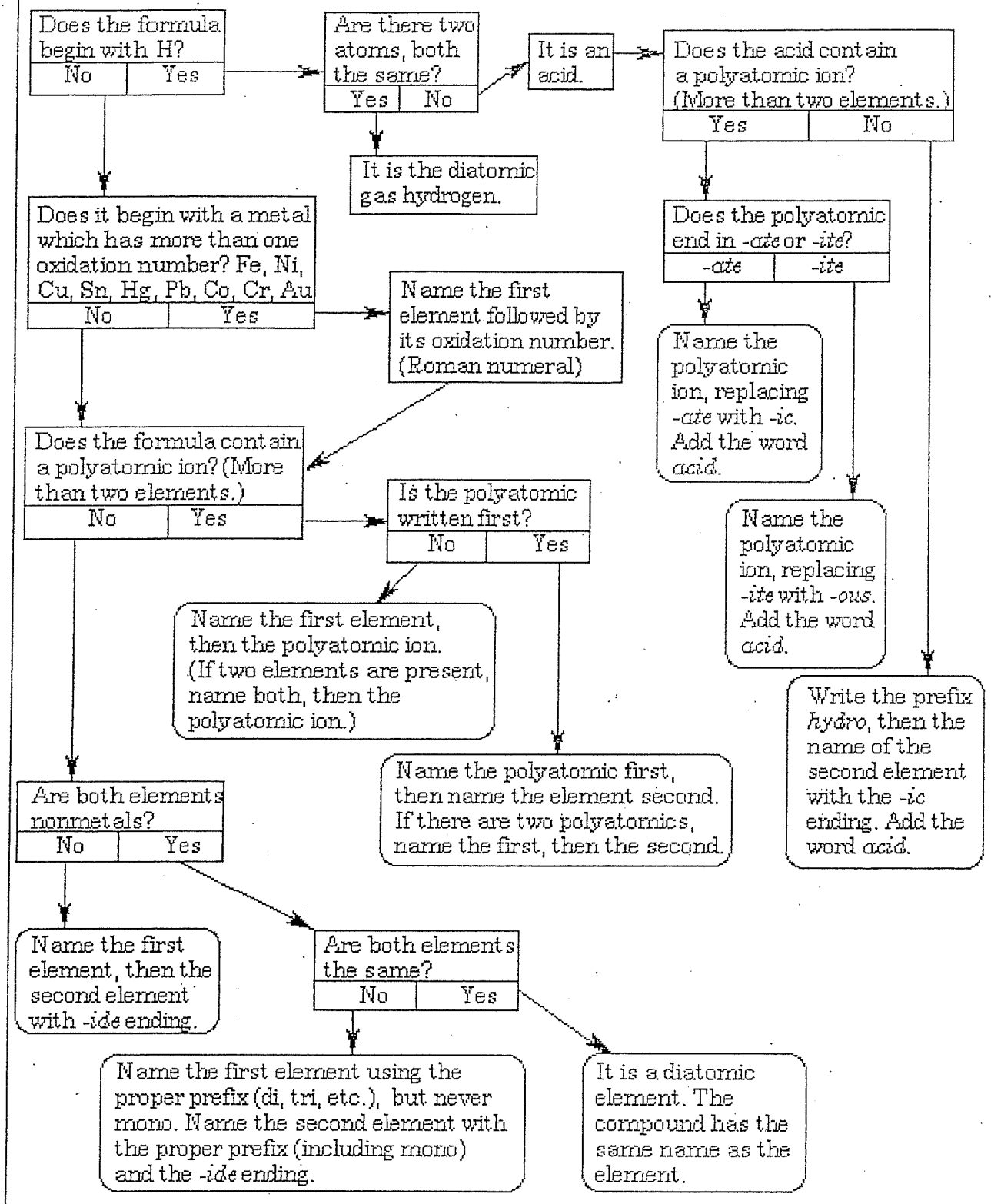


Naming Flowchart

Flow Chart for Naming Simple Inorganic Compounds

The flowchart is adapted from p. 131-132 of the February 1983 issue of the *Journal of Chemical Education*.



hydroxide
nitrate
nitrite
oxalate
permanganate
phosphate
sulphate
sulphite

OH
NO₃⁻
NO₂⁻
C₂O₄⁻²
MnO₄⁻
PO₄⁻³
SO₄⁻²
SO₃⁻²

Polyatomic Ion
ammonium
acetate
carbonate
chlorate
chromate
dichromate
hydrogen carbonate
(bicarbonate)

Formula
NH₄⁺
C₂H₃O₂⁻
CO₃⁻²
ClO₃⁻
CrO₄⁻²
Cr₂O₇⁻²
HCO₃⁻

PERIODIC TABLE OF THE ELEMENTS

18

1	H Hydrogen 1.0
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	13	14	15	16	17	18
5	B Boron 10.8	C Carbon 12.0	N Nitrogen 14.0	O Oxygen 16.0	F Fluorine 19.0	Ne Neon 20.2
13	Al Aluminium 27.0	Si Silicon 28.1	P Phosphorus 31.0	S Sulphur 32.1	Cl Chlorine 35.5	Ar Argon 39.9
31	Ga Gallium 69.7	Ge Germanium 72.6	As Arsenic 74.9	Se Selenium 79.0	Br Bromine 79.9	Kr Krypton 83.8
49	In Indium 114.8	Sn Tin 118.7	Sb Antimony 121.8	Te Tellurium 127.6	I Iodine 126.9	Xe Xenon 131.3
81	Tl Thallium 204.4	Pb Lead 207.2	Bi Bismuth 209.0	Po Polonium (209)	At Astatine (210)	Rn Radon (222)
101	La Lanthanum 138.9	Ce Cerium 140.1	Pr Praseodymium 140.9	Nd Neodymium 144.2	Pm Promethium (145)	Sm Samarium 150.4
102	Ba Barium 137.3	La Lanthanum 138.9	Ce Cerium 140.1	Pr Praseodymium 140.9	Nd Neodymium 144.2	Pm Promethium (145)
103	La Lanthanum 138.9	Ce Cerium 140.1	Pr Praseodymium 140.9	Nd Neodymium 144.2	Pm Promethium (145)	Sm Samarium 150.4
104	Ce Cerium 140.1	Pr Praseodymium 140.9	Nd Neodymium 144.2	Pm Promethium (145)	Sm Samarium 150.4	Eu Europium 152.0
105	Pr Praseodymium 140.9	Nd Neodymium 144.2	Pm Promethium (145)	Sm Samarium 150.4	Eu Europium 152.0	Gd Gadolinium 157.3
106	Nd Neodymium 144.2	Pm Promethium (145)	Sm Samarium 150.4	Eu Europium 152.0	Gd Gadolinium 157.3	Tb Terbium 158.9
107	Pm Promethium (145)	Sm Samarium 150.4	Eu Europium 152.0	Gd Gadolinium 157.3	Tb Terbium 158.9	Dy Dysprosium 162.5
108	Sm Samarium 150.4	Eu Europium 152.0	Gd Gadolinium 157.3	Tb Terbium 158.9	Dy Dysprosium 162.5	Ho Holmium 164.9
109	Eu Europium 152.0	Gd Gadolinium 157.3	Tb Terbium 158.9	Dy Dysprosium 162.5	Ho Holmium 164.9	Er Erbium 167.3
110	Gd Gadolinium 157.3	Tb Terbium 158.9	Dy Dysprosium 162.5	Ho Holmium 164.9	Er Erbium 167.3	Tm Thulium 168.9
111	Tb Terbium 158.9	Dy Dysprosium 162.5	Ho Holmium 164.9	Er Erbium 167.3	Tm Thulium 168.9	Yb Ytterbium 173.0
112	Dy Dysprosium 162.5	Ho Holmium 164.9	Er Erbium 167.3	Tm Thulium 168.9	Yb Ytterbium 173.0	Lu Lutetium 175.0
113	Ho Holmium 164.9	Er Erbium 167.3	Tm Thulium 168.9	Yb Ytterbium 173.0	Lu Lutetium 175.0	
114	Er Erbium 167.3	Tm Thulium 168.9	Yb Ytterbium 173.0	Lu Lutetium 175.0		
115	Tm Thulium 168.9	Yb Ytterbium 173.0	Lu Lutetium 175.0			
116	Yb Ytterbium 173.0	Lu Lutetium 175.0				
117	Lu Lutetium 175.0					
118						

14	Si Silicon 28.1	Atomic number
		Symbol
		Name
		Atomic mass

Based on mass of Cl³⁵ at 12.00.

Values in parentheses are the masses of the most stable or best known isotopes for elements which do not occur naturally.