

Table 3 IUPAC Names and Formulas of Some Common Polyatomic lons

2			
lon	Name	lon	Мате
C,H,0,-	acetate	CO32-	carbonate
CIO,-	chlorate*	CrO ₄ 2-	chromate
CIO,-	chlorite*	Cr ₂ D,2-	dichromate
-NO	cyanide	HPO ₄ 2-	hydrogen phosphate
H,PO.	dihydrogen-phosphate	C2042-	oxalate
HCO,-	hydrogen carbonate	0,22	peroxide
	(bicarbonate)		
HSO,-	hydrogen sulfate (bisulfate)	SiO ₃ 2-	silicate
-SH	hydrogen sulfide (bisulfide)	SO,2-	sulfate
HSO,-	hydrogen sulfite (bisulfite)	SO ₃ 2-	sulfite
CIO- OCI-	hypochlorite*	S ₂ O ₃ ²⁻	thiosulfate
농	hydroxide	BO ₃ -	borate
NO,-	nitrite	PO ₄ 3-	phosphate
NO,-	nitrate	P ₃ O ₁₀ 5-	tripolyphosphate
CIO,-	perchlorate*	NH*+	ammonium
Mn0,-	permanganate	H ₃ O+	hydronium
SCN-	thiocyanate	Hg ₂ ²⁺	тегсилу
	There are also commenced in a lone that contains Br and Linstead of Cl.	ntains Brand	instead of Cl.

blue (halides) green (others]

Cu2+

Ba2+

yellow-green

yellow-red bright red

Ca²⁺ Sr²⁺

violet

Na+

ᅶ

Flame

트

bright red yellow light blue-grey whitish green

Pb²⁺ Zn²⁺

Solubility of Ionic Compounds at SATP

-	_	_	_	-	_	-		_	
1. 18	State of	NO3.	Ψ			a water	None		
THE REAL PROPERTY.		$C_1H_1O_1$	Most			ch solubility in	Ag*		
STATES OF THE PROPERTY OF THE PARTY OF THE P	1年日の1年日により、1月1日日	CO, ² , PO, ² , SO, ² C,H,O,	Group 1, NH4			ands are assumed to have high solul	most		
William Charles and the	Anions	SO.	Most			nunonium compor	Ag. Pb.	Ca2+ Sr2+	Ra2+, Ba2+
Control of the Contro	の とうなったる	.HO	Group 1,	NH, Sr.	Ba", TI	hyding soids, and all ar	most		
DE CALL	でする情報を	S.	Group 1,	NH, Group	2	compounds, includ	most		
SPI IDOCULO	2	Cl. Br. I	Most			All Group I o	Ag*, Pb2*,	TT*, Hg2*	(Hg ⁺), Cu ⁺
Solution of Tollic Composition at the			High Solubility	(aq) ≥ 0.1 mol/L	(at SATP)		Low Solubility	(s) <0.1 mol/L	(at SATP)
DIOC STATES					SIN.	10	ol	ΓA	o O

 Vapour Pressure of Water at Various Temperature of Vapour Temperature of (kPa)

 Temperature of Vapour Pressure of (kPa)
 (kPa)

 17.0
 1.94

 18.0
 2.06

 19.0
 2.20

 20.0
 2.34

 21.0
 2.49

 22.0
 2.49

 23.0
 2.81

 24.0
 2.98

 25.0
 3.17

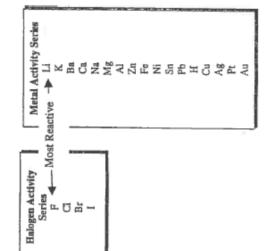
 26.0
 3.36

 27.0
 3.57

 28.0
 3.78

 29.0
 4.01

 30.0
 4.24



There are also corresponding ions that contains Br and I instead of CI