

Apologia Chemistry Periodic Table

		1A		2A		Common Acids <small>blue to red litmus</small>										Polyatomic Ions (M9)		Metals		Non-metals		Family						8A																																																															
		Key		The Mole		Ion Name		Formula		Ion Name		Formula		Diatomics		3A		4A		5A		6A		7A		8A																																																																	
		atomic number		orbital		Element Symbol		amu		6.02 x 10 ²³		Everything comes back to moles!		HCL hydrochloric		HBr hydrobromic		HF hydrofluoric		HNO ₃ nitric		H ₂ SO ₄ sulfuric		H ₃ PO ₄ phosphoric		H ₂ CO ₃ carbonic		C ₃ H ₄ O ₂ acetic		Common base - NH ₃ ammonia		ammonium NH ₄ ¹⁺		hydronium H ₃ O ¹⁺		acetate C ₂ H ₃ O ₂ ¹⁻		chlorate ClO ₃ ¹⁻		chlorite ClO ₂ ¹⁻		cyanide CN ¹⁻		nitrate NO ₃ ¹⁻		nitrite NO ₂ ¹⁻		carbonate CO ₃ ²⁻		chromate CrO ₄ ²⁻		dichromate Cr ₂ O ₇ ²⁻		sulfate SO ₄ ²⁻		sulfite SO ₃ ²⁻		phosphate PO ₄ ³⁻		Metals		Non-metals		H - Hydrogen		O - Oxygen		N - Nitrogen		Cl - Chlorine		F - Fluorine		Br - Bromine		I - Iodine		At - Astatine		5		6		7		8		9		10	
Period		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18																																																							
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2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20																																																							
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4		19		20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36																																																							
5		37		38		39		40		41		42		43		44		45		46		47		48		49		50		51		52		53		54																																																							
6		55		56		Lanthanides		72		73		74		75		76		77		78		79		80		81		82		83		84		85		86																																																							
7		87		88		Actinides		104		105		106		107		108		109		110		111		112		113		114		115		116		117		118																																																							
Electronegativity increase as you move to the right.		57		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73																																																									
Ionization potential increases as you go up in each family.		89		90		91		92		93		94		95		96		97		98		99		100		101		102		103		104		105																																																									