

### Oxidation Numbers and Atom/Ions

n	Ox.#	Group 1A	Group 2A	Group 3A	Group 4A	Group 5A	Group 6A	Group 7A	Group 8A
1	-1	hydride							
	0	(1) hydrogen							(2) helium
	+1	hydron							
2	-5			*					
	-4				carbide				
	-3				*	nitride			
	-2				*	*	oxide		
	-1			*	*	*	peroxide	fluoride	
	0	(3) lithium	(4) beryllium	(5) boron	(6) carbon	(7) nitrogen	(8) oxygen	(9) fluorine	(10) neon
	+1	lithium	*	*	*	*	*		
	+2		beryllium	*	carbonite	*	*		
	+3			borate	*	nitrite			
	+4				carbonate	*			
	+5					nitrate			
3	-4				silicide				
	-3				*	phosphide			
	-2			*	*	*	sulfide		
	-1	*		*	*	*	*	chloride	
	0	(11) sodium	(12) magnesium	(13) aluminum	(14) silicon	(15) phosphorus	(16) sulfur	(17) chlorine	(18) argon
	+1	sodium	*	*	*	hypophosphite	*	hypochlorite	
	+2		magnesium	*	*	*	thiosulfate	*	
	+3			aluminum	*	phosphite	dithionite	chlorite	
	+4				carbonate	*	sulfite	*	
	+5					phosphate	dithionate	chlorate	
	+6						sulfate	*	
	+7							perchlorate	
4	-5			*					
	-4			*	tetragermide				
	-3			*	*	arsenide			
	-2			*	*	*	selenide		
	-1	*		*	*	*	*	bromide	
	0	(19) potassium	(20) calcium	(31) gallium	(32) germanium	(33) arsenic	(34) selenium	(35) bromine	(36) krypton
	+1	potassium	*	*	*	*	*	hypobromite	*

	+2		calcium	*	*	*	*		*
	+3			gallium(III)	*	arsenite	*	bromite	
	+4				germanium(IV), germanate	*	selenite	*	
	+5					arsenate	*	bromate	
	+6						selenate		
	+7							perbromate	
5	-5			*					
	-4				*				
	-3				*	antimonide			
	-2			*	*	*	telluride		
	-1	*		*	*	*	*	iodide	
	0	(37) rubidium	(38) strontium	(49) indium	(50) tin	(51) antimony	(52) tellurium	(53) iodine	(54) xenon
	+1	rubidium	*	*	*	*	*	hypoiodite	*
	+2		strontium	*	tin(II)	*	*		xenon
	+3			indium(III)	*	antimony(III)	*	iodite	
	+4				tin(IV), stannate	*	tellurite	*	xenon
	+5					antimony(V)	*	iodate	
	+6						tellurate	*	xenon
	+7							periodate	
	+8								*
6	-5			*					
	-4				*				
	-3					*			
	-2			*	*	*	*		
	-1	*		*	*	*		*	
	0	(55) cesium	(56) barium	(81) thallium	(82) lead	(83) bismuth	(84) polonium	(85) astatine	(86) radon
	+1	cesium	*	*	*	*		*	
	+2		barium	*	lead(II)	*	*		*
	+3			thallium(III)	*	bismuth(III)		*	
	+4				lead(IV)	*	*		
	+5					*	*	*	
	+6					*	*		*
	+7							*	

Rev. A, WEV, 12-15-2024, \* indicates oxidation state reported by Wikipedia, but maybe not common.