

### 23. Ionic Bonds and Compounds: Formation of Ionic Compounds

Refer to the periodic table. Classify the elements by the most likely charge of the ion the element will form.

# Periodic Table of the Elements

1																	18																																																														
H																	He																																																														
3	4									5	6	7	8	9	10	11	12	13	14	15	16	17	18																																																								
Li	Be									B	C	N	O	F	Ne																																																																
11	12									13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36																																														
Na	Mg									Al	Si	P	S	Cl	Ar																																																																
39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr																																																														
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe																																																														
Cs	Ba		Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn																																																														
Fr	Ra		Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Nh	Fl	Mc	Lv	Ts	Og																																																														
																		101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118																																												
																		La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu																																															
																		Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr																																															

Ion with 2- Charge

Ion with 1- Charge

Ion with 1+ Charge

Ion with 2+ Charge

potassium (K)

selenium (Se)

oxygen (O)

beryllium (Be)

fluorine (F)

magnesium (Mg)

cesium (Cs)

bromine (Br)