

1+									N/A
1									8
1	2+	Oxidation Number							8
1	2	Valence Electrons							4
1	2	Family							He
3	4								10
Li	Be								Ne
Lithium	Beryllium								Neon
6.941	9.0122								20.180
11	12								18
Na	Mg								Ar
Sodium	Magnesium								Argon
22.990	24.305								39.948
19	20								36
K	Ca								Kr
Potassium	Calcium								Krypton
39.098	40.078								83.80

Some Polyatomic Ions and their Oxidation Numbers			
1+	1-	2-	3-
ammonium (NH ₄)	acetate (C ₂ H ₃ O ₂)	carbonate (CO ₃)	phosphate (PO ₄)
	chlorate (ClO ₃)	sulfate (SO ₄)	
	hydroxide (OH)		
	nitrate (NO ₃)		
	bicarbonate (HNO ₃)		

	Symbols & Oxidation #	Formula	Name of Compound
16. Sodium and phosphate			
17. Ammonium and hydroxide			
18. Calcium and nitrate			
19. Beryllium and hydroxide			
20. Potassium and acetate			
21. Sodium and carbonate			
22. Sodium and bicarbonate			
23. Aluminum and sulfate			

25. An ion is an atom or group of atoms that has become electrically _____
26. When an atom loses an electron its charge is (**positive or negative**)
27. An ionic bond is the attraction between (**opposites, positive, neutral, or negative**) ions.
28. Ionic compounds are electrically (**charged, positive, neutral, or negative**).
29. The sum of the charges for an ionic compound is _____.

The two answers must be in the right order.

30. An ionic compound is the result of the bonding of a (**non-metal, metalloid, metal, noble gas**) with a (**non-metal, metalloid, metal**).