

Name : ----- Date : -----

Bonding Basics Worksheet

Complete the table with the appropriate information.

Name of the Element	Atomic Symbol	Total Number of Electrons	Number of Valence Electrons	Electrons Lost/Gained to be Stable	Oxidation Number (any correct option)
Hydrogen					
Oxygen					
Chlorine					
Sodium					
Potassium					
Fluorine					
Nitrogen					
Aluminum					
Carbon					
Iodine					
Magnesium					

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Answers

Name of the Element	Atomic Symbol	Total Number of Electrons	Number of Valence Electrons	Electrons Lost/Gained to be Stable	Oxidation Number (any correct option)
Hydrogen	H	1	1	1	1- or 1+
Oxygen	O	8	6	2	2-
Chlorine	Cl	17	7	1	1-
Sodium	Na	11	1	1	1+
Potassium	K	19	1	1	1+
Fluorine	F	9	7	1	1-
Nitrogen	N	7	5	3	3-
Aluminum	Al	13	3	3	3+
Carbon	C	6	4	4	4+ or 4-
Iodine	I	53	7	1	1-
Magnesium	Mg	12	2	2	2+