ne	Class	Date
	Conceptua	l Biology
Chapter 2: The Chemistry of Types of Chemical Bonds	f Life	
will form an ionic, covale a. Gold (79) and Platinu c. Sulfur (16) and Chlori e. Calcium (20) and Chlori g. Iron (26) and Chromiu	ne (17) d. Sulfur (16 orine (17) f. Germaniur	ection 18.3 of the textbook) (37) and lodine (53) ) and Magnesium (12) n(32) and Arsenic (33) 17) and lodine (53)
	s of lithium, magnesium, aluminu active charges are as follows:	m, chlorine, oxygen, and
Positively Cha Lithium ion Barium ion Aluminum io	: Li <sup>1+</sup> Chlorid : Ba <sup>2+</sup> Oxide	<u>Charged Ions</u> e ion: CI <sup>1-</sup> ion: O <sup>2-</sup> e ion: N <sup>3-</sup>
a. Lithium Chloride: d. Lithium Oxide: g. Lithium Nitride: j. How are elements th	dict the chemical formulas for the b. Barium Chloride: e. Barium Oxide: h. Barium Nitride: h. Barium Nitride: h. Barium Nitride:	c. Aluminum Chloride: f. Aluminum Oxide: i. Aluminum Nitride: the periodic table relative to
	negative ions? owing chemical structures are p	
$H = \begin{bmatrix} 0 & -0 \\ -0 & -0 \end{bmatrix} H$ $Br = \begin{bmatrix} Br \\ I \\ Br \\ Br \end{bmatrix}$ $Br = \begin{bmatrix} I \\ Br \\ Br \end{bmatrix}$	$H \underbrace{O}_{C} \underbrace{O}_{H}$	$CI \xrightarrow{AI} CI$ $Br \xrightarrow{I}$ $Br - C = H$ $Br$