

## Getting Connected



Name: \_\_\_\_\_

Period: \_\_\_\_\_ Date: \_\_\_\_\_

Complete the following table.

Element 1 (metal)	# of valence electrons	Element 2 (nonmetal)	# of valence electrons	compound	total # of valence electrons
Na	1	F	7	NaF sodium fluoride	8
Mg		O		MgO magnesium oxide	
Mg	2	Cl	7	MgCl <sub>2</sub> magnesium chloride	16
Ne				Ne neon	
Be		F		BeF <sub>2</sub> beryllium fluoride	
				MgS magnesium sulfide	
				CaCl <sub>2</sub> calcium chloride	
Na		Br			
K		Se			
Al		N			
Al		O		Al <sub>2</sub> O <sub>3</sub> aluminum oxide	
Al		F			

1. What patterns do you notice in the formation of ionic compounds?

**Making Sense:**

Can you make a rule that helps you predict the composition of compounds that form?