	Name:		Period:	
Binary Id	onic Compounds Guided Not	tes:		
onic bond	=			
	Positive ions are called	(electrons),	
	Negative ions are called	(electrons),	(right side of the PT)
onic comp	ounds – compounds that contain ior	nic bonds		
	One atom gains electrons ()	
	one atom loses electrons ()	
	Atoms gain or lose to achieve		an	
Binary Ioni	<i>ic Compounds</i> – compounds containi	ng only		
	May contain		of each elem	ent, but only 2 elements
	Examples:			
	Cation () is written		
	Anion () is written		
Writing the	e formulas for Ionic Compounds:			
1.	Na and F			
2.	Ca and O			
3.	Mg and F			
4.	Al and S			

Formula Writing Binary Ionic Compounds:

■ You don't need to draw the transfer of electrons to write binary ionic compounds.

What do you notice about the charge and the subscripts when you write the formula with Al and O?

- Steps for Writing Binary Ionic Compounds:
 - 1. Figure out the charges for each ion
 - 2. Drop the sign of the charge (+ or -)
 - 3. Switch the number of the charge from the cation to the anion and vice versa.

Example: Mg and P

	1.	Sr and Cl		
	2.	K and N		
	3.	Be and N		
	4.	Mg and O		
Naming		ary Ionic Compounds:: lose electrons, positive charge, metal NAME DOES NOT CHANGE: gain electrons, negative charge, nonmetal CHANGE THE ENDING TO –ide		
Write the names for the binary ionic compounds below: 1. CaCl ₂				
	1.	CaCl ₂		
	2.	Rb_3N		
	3.	Sr_3N_2		
	4. 1	MgS		

Write the binary ionic formula for the following: