## WRITING CHEMICAL FORMULAS

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

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

Consider the packets of colour squares that we used to construct molecules:

	+1	+2	+3	???	-1	-2	-3
COLOUR	Light blue	Green	Pink	Mustard	White	Purple	Dark blue
ELEMENTS Or groups of elements that had this identity Or "charge"	Na K	Ca Mg	Al B	Sn Cu Fe	Cl F OH	O S CO₃	N ₽ ₽O₄

On the following page, complete the combinations that would make a neutral molecule.

AFTER you complete the next page, come back and write some rules to follow for combining elements (and groups of elements) in order to make neutral, stable molecules:

1.

- 2.
- \_
- 3.
- 4.
- ••
- 5.
- 6.
- 7.

Complete the combinations below that would make a neutral molecule. The first few are done for you as an example. For some questions, you must use the given name to determine what the combination was.

COMBINATION	ANSWER					CHEMICAL	CHEMICAL
						FORMULA	NAME
+1 with -1	+1		-1				
K with Cl	К		Cl			KCI	Potassium chloride
+3 with -1	+3		-1	-1	-1		
Al with F	Al		F	F	F	AlF₃	Aluminum Fluoride
+1 with -2							
Na with O	Na	Na	0			Na <sub>2</sub> O	Sodium oxide
+2 with -1							
Mg with Cl							Magnesium chloride
+3 with -3							
							Aluminum nitride
+2 with -2							
							Copper carbonate
+2 with -3							
							Calcium nitride
+3 with -2							
							Boron oxide