

TEAM IONIC BONDING

There are 12 sets of ions below, each set has 2 cations and 3 anions. Each set of ions can combine into six compounds. Combine as many sets as you can in class, do the rest at home.

(answers are on the Naming Compounds Page).

Use the first cation with all three anions, then use the second cation with all three anions. Write out ion charges, ionic compound formulas and proper names for all of these. White paper to finish the rest.

	cations	anions
1	ammonium, barium	fluorine, phosphorous, acetate
2	lithium, strontium	chlorine, cyanide, peroxide
3	sodium, calcium	bromine, phosphorous, hydroxide
4	potassium, magnesium	iodine, carbonate, phosphate
5	rubidium, aluminum	hydrogen carbonate, oxalate, chlorate
6	cesium, ammonium	hypochlorite, chromate, sulfite
7	magnesium, lithium	oxygen, sulfate, thiocyanate
8	calcium, sodium	sulfur, hydrogen carbonate, chlorine
9	strontium, potassium	fluorine, perchlorate, thiosulfate
10	barium, rubidium	chlorine, dichromate, chlorate
11	lithium, cesium	bromine, permanganate, hydrogen sulfate
12	calcium, aluminum	iodine, nitrite, carbonate



set __	cation	anion	Formula	IUPAC name
1				
2				
3				
4				
5				
6				

set __	cation	anion	Formula	IUPAC name
1				
2				
3				
4				
5				
6				

set ____	cation	anion	Formula	IUPAC name
1				
2				
3				
4				
5				
6				

set ____	cation	anion	Formula	IUPAC name
1				
2				
3				
4				
5				
6				