

Name: _____ Date: _____

CHEMISTRY

Names of Ionic Compounds

Write the correct chemical formulae for the ionic compound using the name of the compound. Metal (cation) first, Nonmetal (anion) second.

- Use subscripts to the right of the chemical symbol for an element if there is more than one present in the molecule.
- All molecules must be neutral: Positives = Negatives
- Use the periodic table for correct chemical symbols.
- Use the charts for the monoatomic cations and anions to help you

Compound Name	Chemical Formula
1 Sodium fluoride	
2 Sodium chloride	
3 Lithium bromide	
4 Beryllium oxide	
5 Magnesium sulfide	
6 Aluminum oxide	
7 Strontium bromide	
8 Barium selenide	
9 Cesium sulfide	
10 Potassium nitride	
11 Barium chloride fluoride	
12 Calcium iodide	

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- Use the roman numerals to indicate charge on the polyvalent metal atoms.

	Compound Name	Chemical Formula
13	Copper (I) oxide	
14	Copper (II) sulfide	
15	Copper (II) chloride	
16	Manganese (III) fluoride	
17	Cobalt (II) selenide	
18	Iron (II) sulfide	
19	Iron (III) oxide	
20	Titanium (IV) oxide	
21	Molybdenum (V) iodide	
22	Uranium (VI) fluoride	
23	Tin (II) chloride fluoride	
24	Lead (IV) dichloride difluoride	

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	Compound Name	Chemical Formula
25	Calcium hydroxide	
26	Calcium sulfate	
27	Sodium nitrate	
28	Sodium thiocyanate	
29	Sodium phosphate	
30	Aluminum phosphate	
31	Magnesium hydrogen carbonate	
32	Magnesium nitrate	
33	Iron (II) perchlorate	
34	Iron (III) hydrogen carbonate	
35	Copper (I) sulfate	
36	Ammonium acetate	
37	Ammonium phosphide	
38	Ammonium selenide	
39	Disodium potassium phosphate	
40	Potassium hydrogen sulfate	