

Chemical Formulas & Names

Rules for writing chemical Formulas:

1. Write down the ions, listing the metal (positive) ion first
2. Ask: Are the charges balanced?
3. If no, ask: Which has a lower charge?
4. Add one ion (for whichever ion has a lower charge)
5. Repeat steps 2-4 until the answer is yes
6. Write the chemical formula (without charges), with subscripts, and parentheses for polyatomic ions, if needed

1. magnesium sulfide

2. lithium oxide

3. aluminum fluoride

4. potassium nitrate

5. ammonium chloride

6. sodium bromide

7. aluminum sulfide

8. calcium nitrate

9. aluminum nitrate

10. ammonium sulfide