

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4
Metal or Metallic Radical	Combining Number + Radical	Nonmetal or Radical + Combining Number	Metal + 1 other substance ends in IDE, or the name of the nonmetallic radical NAME
Example: NH ₄	+1	+ N	NH₄⁺¹ N⁻³ = (NH₄)₃N Ammonium Nitride
1. Mg	+2	+ CO ₃	-2
2. Al	+3	+ SO ₄	-2
3. Ca	+2	+ OH	-1
4. Si	+4	+ NO ₃	-1
5. NH ₄	+1	+ P	-3
6. Na	+1	+ CO ₃	-2
7. H	+1	+ F	-1
8. B	+3	+ PO ₄	-3
9. Pb	+4	+ S	-2
10. Al	+3	+ C	-4
11. Sn	+4	+ Cl	-1
12. Li	+1	+ OH	-1
13. Ba	+2	+ N	-3
14. Sb	+5	+ PO ₄	-3
15. K	+1	+ Br	-1

V:54

*Atoms and radicals usually combine in smallest possible ratios.
Exampl) Ca²⁺XO₂ = CaO rather than Ca₂O₂

Radical Names: NH₄ = ammonium CO₃ = carbonate SO₄ = sulfate
OH = hydroxide NO₃ = nitrate PO₄ = phosphate