

Polyatomic Ions WS

Ammonium (NH₄)¹⁺
 Carbonate (CO₃)²⁻
 Chromate (CrO₄)²⁻

Dichromate (Cr₂O₇)²⁻
 Hydroxide (OH)¹⁻
 Nitrate (NO₃)¹⁻

Nitrite (NO₂)¹⁻
 Sulfate (SO₄)²⁻
 Sulfite (SO₃)²⁻

Phosphate (PO₄)³⁻

Write the NAME of each of the following compounds.

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|-----------------------------------------------------------|--------------------------------------------------------------|
| 1. (NH ₄)Cl _____ | 9. Ga(ClO ₃) ₃ _____ |
| 2. Be(SO ₄) _____ | 10. Cu(OH) *** _____ |
| 3. (NH ₄) ₃ N _____ | 11. (NH ₄) ₃ (PO ₄) _____ |
| 4. MgCl ₂ _____ | 12. Fe(SO ₄) _____ |
| 5. NH ₄ (NO ₃) _____ | 13. Mg(NO ₃) ₂ _____ |
| 6. Sr ₃ (PO ₄) ₂ _____ | 14. (NH ₄)NO ₂ _____ |
| 7. Zn(CrO ₄) ₂ _____ | 15. Na ₂ (Cr ₂ O ₇) _____ |
| 8. K ₂ (Cr ₂ O ₇) _____ | 16. Na(OH) _____ |

Write the CHEMICAL FORMULA for each of the given NAMES.....cross charges

17. calcium carbonate Ca²⁺ (CO₃)²⁻ = Ca₂(CO₃)₂ = CaCO₃
18. barium nitrate _____ = _____
19. ammonium sulfate _____ = _____
20. aluminum hydroxide _____ = _____
21. calcium phosphate _____ = _____
22. cesium nitrate _____ = _____
23. sodium nitrite _____ = _____
24. calcium sulfate _____ = _____
25. beryllium sulfate _____ = _____
26. sodium carbonate _____ = _____
27. magnesium phosphate _____ = _____
28. calcium phosphate _____ = _____