**BALANCING CHEMICAL EQUATIONS WORKSHEET**

**Chemical Reactions**

**Balancing Equations Worksheet - V10**

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**Write and Balance the Following Equations**

1. Ca (AlO2)2 + HCl AlCl3 + CaCl2 + H2O

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2. CeO2 + KI + HCl K Cl + CeCl3 + H2O + I2

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3. Ho + H2O Ho (OH)3 + H2

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4. IrCl3 + NaOH Ir2O3 + HCl + NaCl

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5. MoO3 + Zn + H2SO4 Mo2O3 + ZnSO4 + H2O

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6. Cu + H2SO4 CuSO4 + SO2 + H2O

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7. (NH4)2SO4 + KOH K2SO4 + NH3 + H2O

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8. ferric sulfide + oxygen gas ferric oxide + sulfur dioxide

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9. ammonia + oxygen gas nitrogen monoxide + water

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10. calcium hydroxide + nitrous acid calcium nitrite + water

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11. aluminum + plumbous nitrate aluminum nitrate + lead

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12. methane + oxygen gas carbon dioxide + water vapor

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13. aluminum nitrate + sulfuric acid aluminum sulfate + nitric acid

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14. iron + hydrochloric acid ferric chloride + hydrogen

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15. phosphoric acid + magnesium hydroxide magnesium phosphate + water

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16. ferric bromide + ammonium sulfide ferric sulfide + ammonium bromide

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17. benzene (C6 H6) + oxygen gas carbon dioxide + water vapor

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