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| Synthesis | Cl2 + 2Na 🡪 2NaCl | AB 🡪 A + B | Cu(OH)2 🡪 CuO + H2O |
| KCl + AgNO3 🡪 KNO3 + AgCl | THE TOY FALLS APART | 2Zn + O2 🡪 2ZnO | AB + CD 🡪 AD + CB |
| Hydrocarbon + O2 🡪 H2O + CO2 | Fe + CuSO4 🡪 FeSO4 + Cu | Double Displacement | 2Al + 3CuCl2 🡪 2AlCl3 + 3Cu |
| 2H2O2 🡪 2H2O + O2 | Combustion | C3H8 + 3O2 🡪 3CO2 + 4H2O | PARTS FIT TOGETHER TO MAKE A WHOLE |
| AT A DANCE, TWO COUPLES SWITCH PARTNERS | 2KBr 🡪 2K + Br2 | A + B 🡪 AB | 2NaClO3 🡪 2NaCl + 3O2 |
| CuO + H2SO4 🡪 CuSO4 + H2O | SUZY RIDES WITH BILL & SALLY TO A DANCE. SUZY DANCES WITH BILL. SALLY DOESN’T DANCE | Zn + Cu(NO3)2 🡪 Cu + Zn(NO3)2 | Decomposition |
| Single Displacement | N2 + 3H2 🡪 2NH3 | O2 COMBINES WITH A HYDROCARBON AND YIELDS CO2 AND H2O | MgCl2 + 2AgNO3 🡪 Mg(NO3)2 + 2AgCl |
| 2H2 + O2 🡪 2H2O | A + BC 🡪 B + AC | CaCO3 🡪 CaO + CO2 | H2 + 2Cl 🡪 2HCl |