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| Station 1 reaction 4CH4 + O2 → |  | → CO2 + H2O |
| Station 1 reaction 1Na + O2 → |  | → Na2O |
| Station 1 reaction 3Ag2O → |  | → Ag + O2 |
| Station 1 reaction 2Al + Pb(NO3)2 → |  | → Pb + Al(NO3)3 |
| Station 1 reaction 5K2CO3 + BaCl2 → |  | → KCl + BaCO3 |
| Station 2 reaction 3C2H6 + O2 → |  | → CO2 + H2O |
| Station 2 reaction 2Ra + Cl2 → |  | → RaCl2 |
| Station 2 reaction 5Al(OH)3 → |  | → Al2O3 + H2O |
| Station 2 reaction 1Cl2 + NaI → |  | → NaCl + I2 |
| Station 2 reaction 4Al2(SO4)3 + Ca3(PO4)2 → |  | → AlPO4 + CaSO4 |
| Station 3 reaction 2C3H8 + O2 → |  | → CO2 + H2O |
| Station 3 reaction 5Al(OH)3 + HC2H3O2 → |  | → Al(C2H3O2)3 + H2O |
| Station 3 reaction 4MgO → |  | → Mg + O2 |
| Station 3 reaction 1Mg + HCl → |  | → MgCl2 + H2 |
| Station 3 reaction 3P2O3 + H2O → |  | → H3PO3 |
| Station 4 reaction 4BaO + CO2 → |  | → BaCO3 |
| Station 4 reaction 1C4H10 + O2 → |  | → CO2 + H2O |
| Station 4 reaction 5Ca(OH)2 + H3PO4 → |  | → Ca3(PO4)2 + H2O |
| Station 4 reaction 2Fe + CuSO4 → |  | → FeSO4 + Cu |
| Station 4 reaction 3H2SO4 → |  | → SO3 + H2O |