**Stoichiometry: Balancing Equations: Quiz 1c**

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State the reaction type AND Balance the following Equations:

1. P2O5 🡪 P4 + O2
2. K2O + H2O 🡪 KOH
3. Fe + CuSO4 🡪 Cu + Fe2(SO4)3
4. Al2(SO4)3 + Ca(OH)2🡪 Al(OH)3 + CaSO4
5. H3BO3 🡪 H4B6O11 + H2O

Answers:



1. 2 P2O5 🡪 P4 + 5 O2 Decomposition



1. K2O + H2O 🡪 2 KOH Synthesis



1. 2Fe + 3CuSO4 🡪 3Cu + Fe2(SO4)3 Single Replacement



1. Al2(SO4)3 + 3 Ca(OH)2🡪2Al(OH)3 + 3 CaSO4 Double Replacement



1. 6 H3BO3 🡪 H4B6O11 + 7 H2O Decomposition