**Stoichiometry: Balancing Equations: Quiz 1a**

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State the reaction type AND Balance the following Equations:

1. K + Br2 🡪 KBr
2. Fe2O3 🡪 Fe + O2
3. Na + H2O 🡪 NaOH + H2
4. P4O10 + H2O 🡪 H3PO4
5. C7H16 + O2 🡪 CO2 + H2O

Answers:



1. 2 K + Br2 🡪 2 KBr Synthesis



1. 2 Fe2O3 🡪 4 Fe + 3 O2 Decomposition



1. 2 Na + 2 H2O 🡪 2 NaOH + H2 Single Replacement



1. P4O10 + 6 H2O 🡪 4 H3PO4 Synthesis



1. C7H16 + 11 O2 🡪7 CO2 + 8 H2O Combustion