

Reaction Types

★ Direct combination (synthesis)

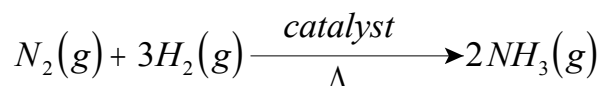
Note: A and C = *metals*; B and D = *nonmetals*

★ General Pattern

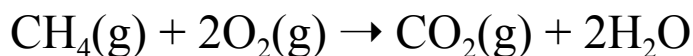


★ Examples

★ Haber Process



★ Combustion



★ Decomposition

★ General Pattern



★ Example



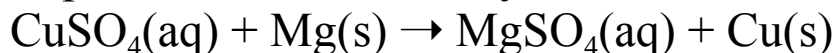
★ Single Replacement (substitution)

★ General Pattern

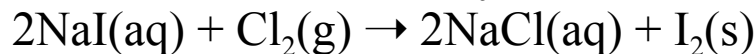


★ Examples

★ Replacement of a metal by a more active metal



★ Replacement of a nonmetal by a more active nonmetal



★ Double Replacement (Exchange of Ions)

★ General Pattern



★ Example

