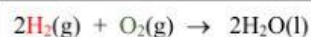


Name _____ Class _____ No. _____

The 4 Basics Type of Reaction

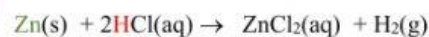
Synthesis Reactions



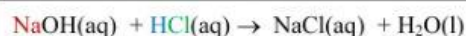
Decomposition reaction



single displacement reaction



double replacement reaction



Choose the correct symbol for the type of reaction. Place that answer in the blank _____ at the beginning of each equation and then balance each equation correctly in .

S = synthesis

S

SD = single displacement

SD SD

D = decomposition

D

DR = double replacement

DR

C = combustion

C

- _____ Na (s) + H₂O (l) → NaOH (aq) + H₂ (g)
- _____ CO (g) + O₂ (g) → CO₂ (g)
- _____ FeS (s) + HCl (aq) → FeCl₂ (aq) + H₂S (g)
- _____ NaNO₃ (s) → NaNO₂ (s) + O₂ (g)
- _____ CH₄ (g) + O₂ (g) → CO₂ (g) + H₂O (g)
- _____ Fe (s) + CuNO₃ (aq) → Cu (s) + Fe(NO₃)₂ (aq)
- _____ KI (aq) + Cl₂ (g) → KCl (aq) + I₂ (aq)
- _____ Al (s) + S (s) → Al₂S₃ (s)
- _____ KClO₃ (s) → KCl (s) + O₂ (g)
- _____ C₄H₁₀ (g) + O₂ (g) → CO₂ (g) + H₂O