

TYPES OF CHEMICAL REACTIONS

NAME: _____

CLASS: _____

Balance the following equations and then state whether the reaction is a SYNTHESIS or DECOMPOSITION reaction. An example is shown below.



BALANCE THE EQUATION:

STATE TYPE OF REACTION

- 1) _____ H₂ + _____ O₂ → _____ H₂O
- 2) _____ H₂O₂ → _____ H₂O + _____ O₂
- 3) _____ CO + _____ O₂ → _____ CO₂
- 4) _____ H₂SO₃ → _____ H₂O + _____ SO₂
- 5) _____ NH₃ → _____ H₂ + _____ N₂
- 6) P₂O₃ → _____ P₄ + _____ O₂
- 7) _____ Al + _____ O₂ → _____ Al₂O₃
- 8) _____ Fe + _____ S₈ → _____ FeS
- 9) _____ K + _____ Cl₂ → _____ KCl
- 10) _____ CuCO₃ → _____ CuO + _____ CO₂