**Writing Complete Equations Quiz**

1. When cadmium metal (Cd) is placed in an aqueous solution of silver nitrite (AgNO2), silver metal (Ag) and aqueous cadmium (II) nitrite (Cd(NO2)2) are formed. (5 pt)
2. If solid iron (III) bicarbonate (Fe(HCO3)3) is heated at a temperature of 1200°, carbon dioxide, water, and powdered iron (III) oxide (Fe2O3) are formed in an exothermic reaction. (5 pt)
3. When boron (B) crystals are compressed with nitrogen gas (N2) boron nitride (BN) powder is formed. (5 pt)
4. When liquid hydrogen peroxide (H2O2) is gently heated on a hot plate at very low pressure, hydrogen gas (H2) and oxygen (O2) are formed. (5 pt)

1. When iron(III) oxide (Fe2O3) rust is combined with pure aluminum metal (Al) and heated to an extremely high temperature, liquid iron (Fe) and solid aluminum oxide (Al2O3) are made. This reaction gives off enough heat to be used in welding. (5 pt)