**Writing Complete Equations Quiz**

*Write the complete, balanced equations for the following chemical reactions. (5 pt ea)*

1. When iron metal is placed in an aqueous solution of silver nitrate (AgNO3), iron (III) nitrate ( Fe(NO3)2 ) and metallic silver are formed.
2. If solid glucose (C12H22O11) is heated in the presence of oxygen (O2) , carbon dioxide and steam are formed in a highly exothermic reaction.
3. If solid iron (III) bicarbonate ( Fe(HCO3)3 )is heated at a temperature of 1200° Celsius, carbon dioxide, water, and iron (III) oxide (Fe2O3) are formed in a flaming ball of chemicals.
4. When boron is compressed with nitrogen gas (N2) at very high temperatures and pressures, boron nitride (BN) crystals are formed. It is not thought that this reaction is exothermic or endothermic.
5. When liquid hydrogen peroxide (H2O2) is allowed to sit on a shelf for a long period of time, hydrogen gas (H2) and oxygen gas (O2) are formed.