Quiz 5

Chem 10 – Dr. Kline

4/8/04 Name ___________________________________

1. A precipitate is formed when aqueous solutions of aluminum nitrate and potassium hydroxide are combined. Write a balanced formula equation and a balanced net ionic equation for this reaction, both with state labels.

2. Suppose that 25.2 g of Cr and excess O_2 are combined and the reaction below is allowed to proceed. What is the theoretical yield of the product? Show work with units to receive credit. The formula weight of the product is 15**2**.0 g/mole.

   $4Cr(s) + 3O_2(g) \rightarrow 2Cr_2O_3(s)$