Unit #6 Practice Blackboard Insert

1. (2 pts) How many grams of aluminum carbonate are in 0.655 moles of the compound?

2. (3 pts) Calculate the % composition of Cobalt (II) Nitrate..

3. (**3 pts**) What is the empirical formula of a substance that contains 4.027 grams potassium, 2.678 grams chromium, and 3.296 grams oxygen?

4. (2 pts) Balance the following equations:

$$NiCl_{2\,(aq)} \ + \ Na_3PO_{4\,\,(aq)} \ \rightarrow \qquad Ni_3(PO_4)_{2\,\,(s)} \ + \ NaCl_{\,(aq)}$$

$$C_{4}H_{10\;(g)} \;\; + \;\; O_{2\;(g)} \;\; \rightarrow \;\; CO_{2\;(g)} \;\; + \;\; H_{2}O_{\;(g)}$$

Extra Credit (1 pt):

Convert name to formula or visa versa ... from the list of names in unit 5