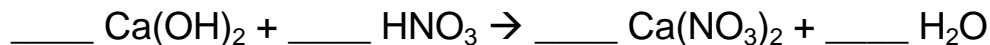


Limiting Reactant Homework

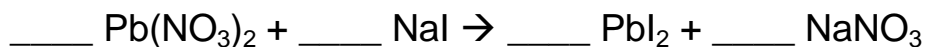
- 1) Calcium hydroxide reacts with nitric acid according to the following *unbalanced* reaction:



- If I start with 15 grams of calcium hydroxide and 24 grams of nitric acid, how many grams of calcium nitrate might I expect to form? What is my limiting reactant?

- How much of my excess reactant will be left over when the reaction is complete?

- 2) Lead (II) nitrate reacts with sodium iodide according to the following *unbalanced* equation:



- If I were to perform this reaction with 27 grams of lead nitrate and 82 grams of sodium iodide, how many grams of lead (II) iodide should I be able to form? What is my limiting reactant?

- How much of my excess reactant will be left over when the reaction is complete?