

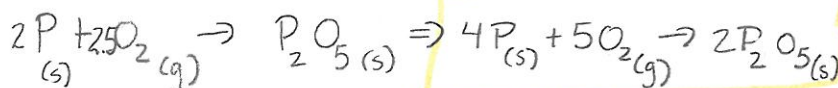
* One is already balanced.

Name Sturman Key

Balancing Chemical Equations Quiz

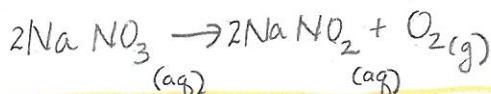
Write a balanced chemical equation for each reaction described below.

1. Phosphorus reacts with oxygen gas to form diphosphorus pentoxide ← very poisonous

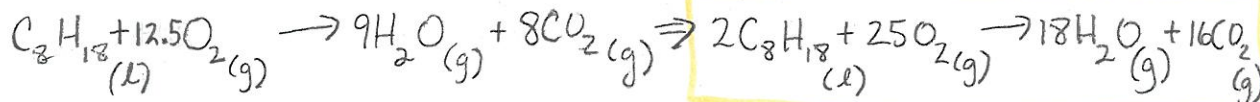


use? dehydrating agent for surfactants. Used to manufacture optical glass + heat-insulating glass.

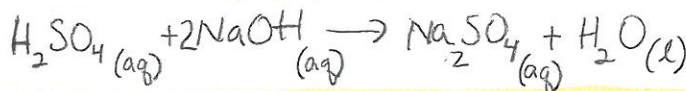
2. Sodium nitrate decomposes into sodium nitrite and oxygen gas.



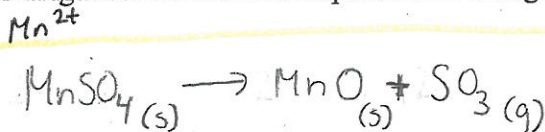
3. Octane (C_8H_{18}) burns in the presence of oxygen gas to form what? Don't forget to balance the equation also.



4. Sulfuric acid reacts with sodium hydroxide to form sodium sulfate and water.

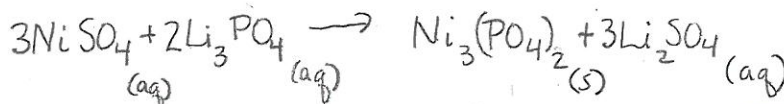


5. Manganese sulfate decomposes into manganese oxide and sulfur trioxide.

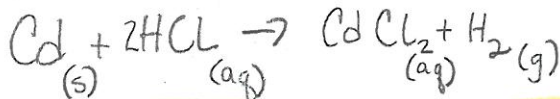


Difficult to determine states unless you google them.

6. Predict the products and balance the equation for nickel sulfate reacting with lithium phosphate.



7. Predict the products and balance the equation for cadmium reacting with hydrochloric acid.



* Cadmium is between Fe + Co on the activity series for metals.