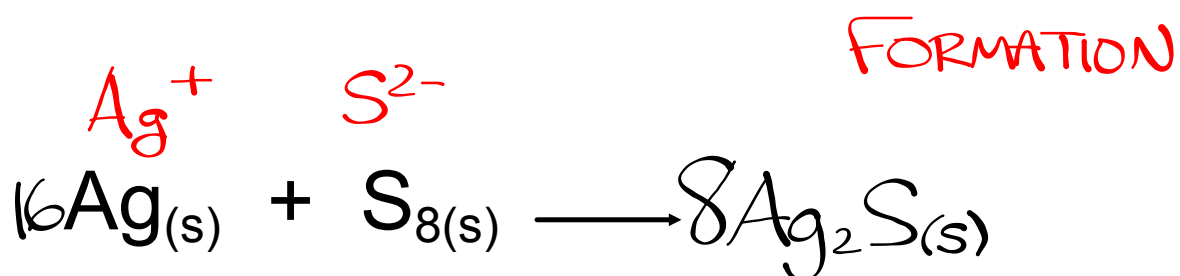
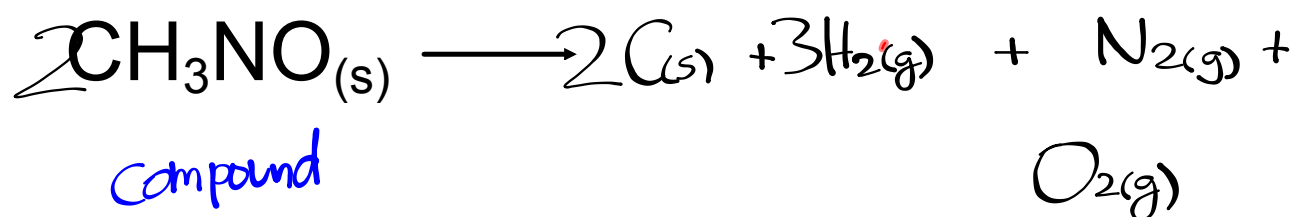


Warm Up



elements

DECOMPOSITION



Check Homework - Worksheet



Sucrose \rightarrow Carbon + hydrogen + oxygen

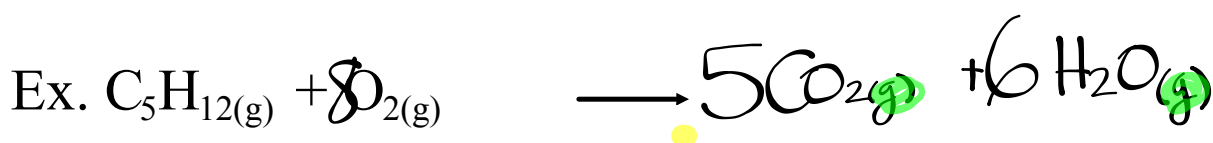
Chemical Reactions

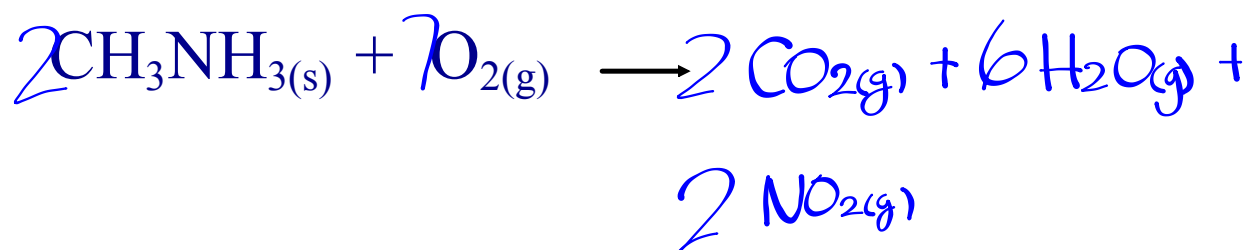
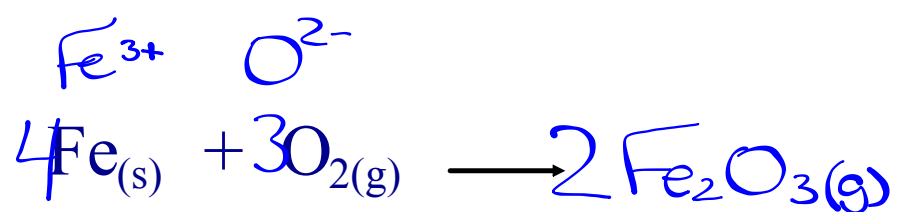
III. Combustion Reaction

A complete combustion reaction is the burning of a substance with oxygen to produce the most common oxides of the elements in the substance being burned.

Most Common Oxides:

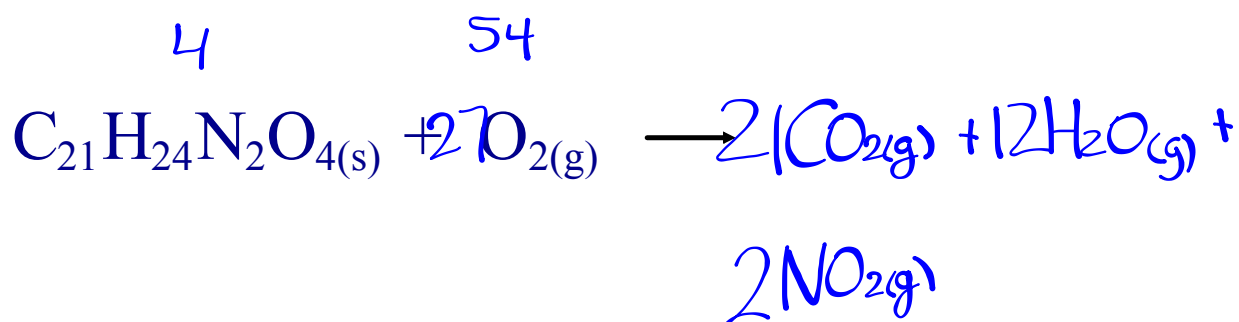
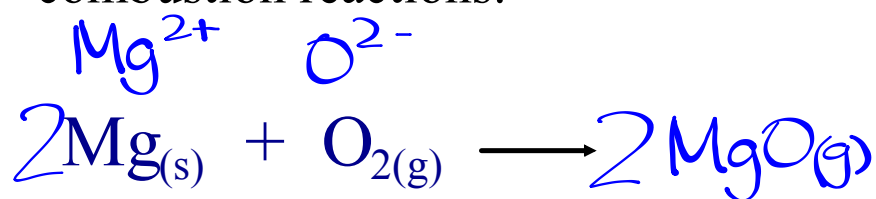
- Carbon : $\text{CO}_{2(g)}$
- Hydrogen: $\text{H}_2\text{O}_{(g)}$
- Sulfur: $\text{SO}_{2(g)}$
- Nitrogen: $\text{NO}_{2(g)}$
- A metal: Oxide of metal with most common ion charge





Combustion Reactions

Write a balanced chemical equation for the following combustion reactions:



Homework

p. 331 #13, 14

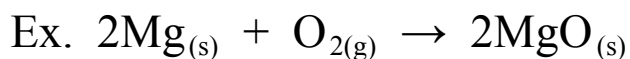
p. 332 #15, 16

p. 337 #20, 21

Chemical Reactions

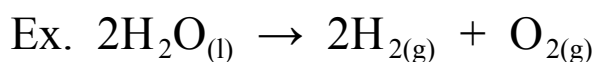
I. Formation Reactions

elements compound



II. Decomposition Reactions

compound elements



III. Combustion Reaction

substance + oxygen \longrightarrow most common oxides

