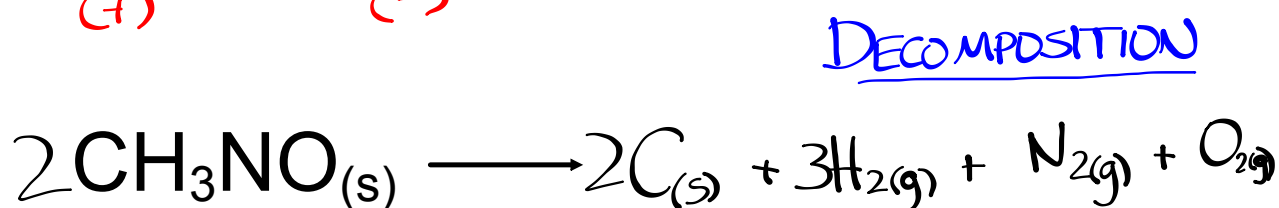
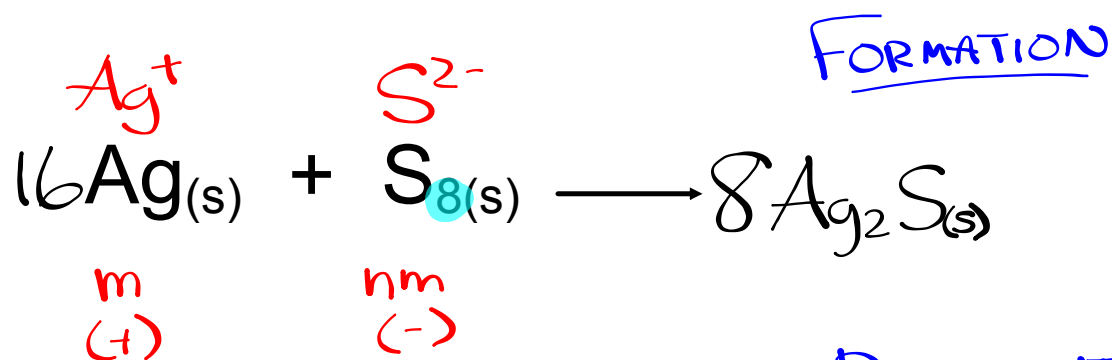
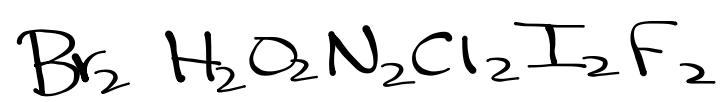


Warm Up





Check Homework - Worksheet

DECOMPOSITION



Sucrose \rightarrow Carbon + hydrogen + oxygen

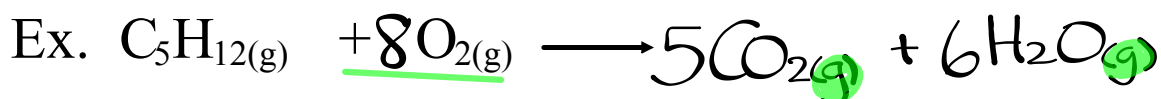
Chemical Reactions

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



I. FORMATION

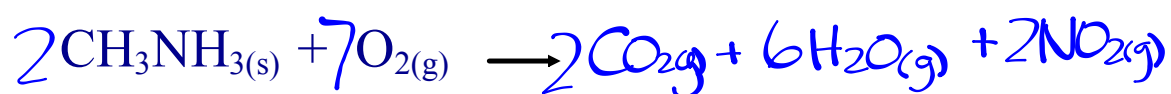
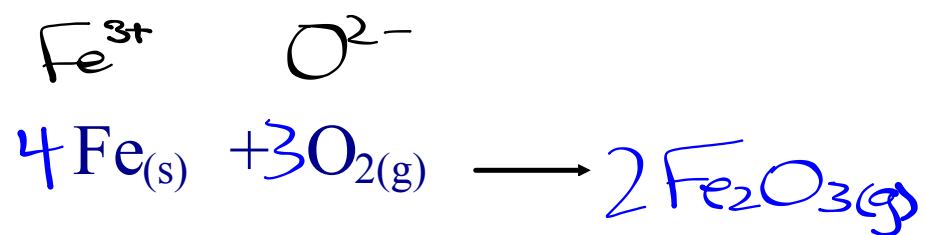
element + element \rightarrow compound

II. DECOMPOSITION

compound \rightarrow elements

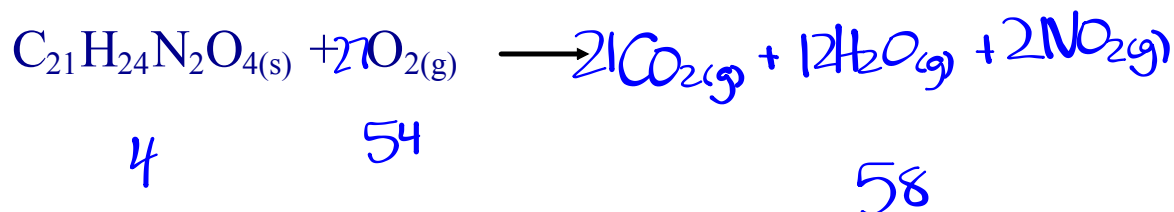
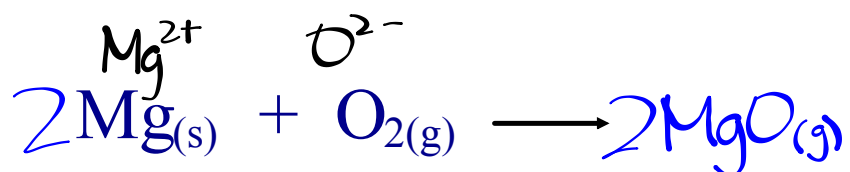
III. COMBUSTION

element / compound + $O_2 \rightarrow$ most common oxides



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