

Happy Universal Children's Day!

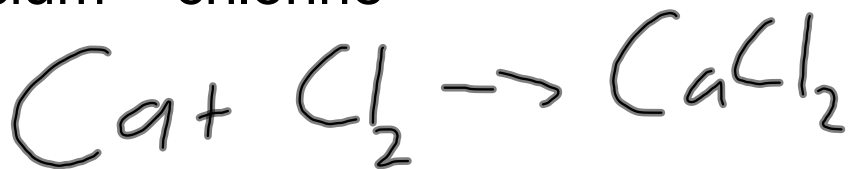
Warm-Up Questions

Complete and balance the following reactions:

a) ^{Cu²⁺} copper (II) ^{SO₄²⁻} sulfate -->



b) ^{Ca²⁺} calcium + ^{Cl⁻} chlorine -->



Homework Questions?



Chemical Reactions

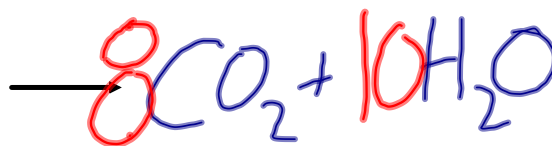
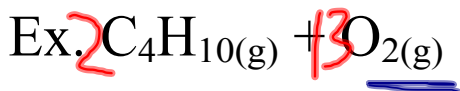
III. Combustion Reaction

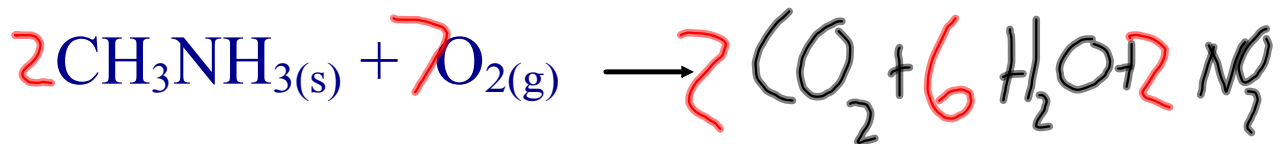
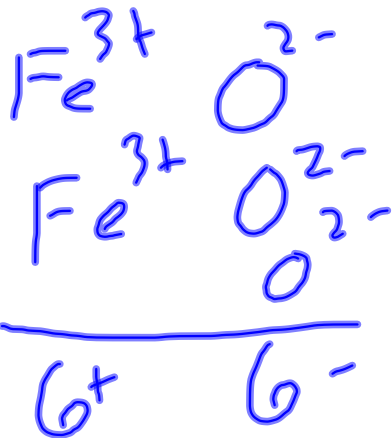
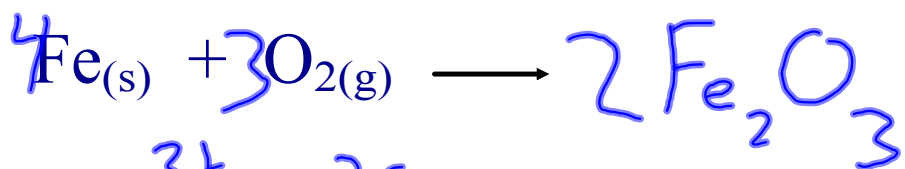
A complete combustion reaction is the ~~burning~~ of a substance with oxygen to produce the most common oxides of the elements in the substance being burned.

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

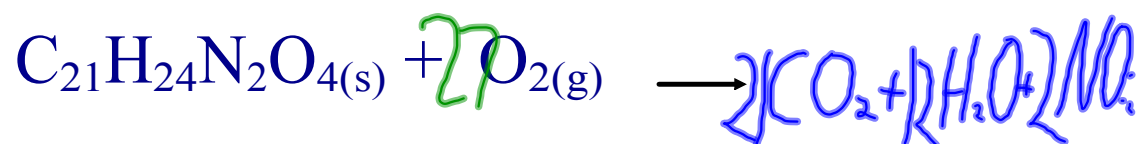
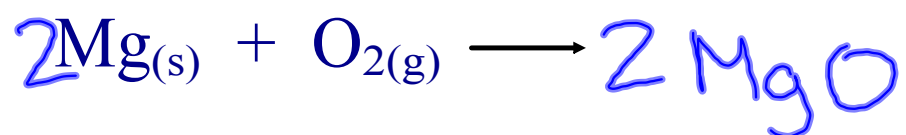
* hint *
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Combustion Reactions

Write a balanced chemical equation for the following combustion reactions:



Homework

p. 337 #20, 21

