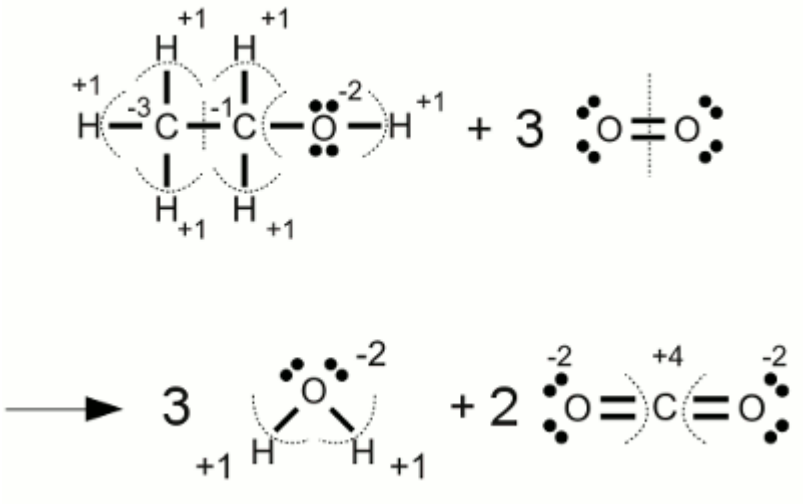
Answer on Question #79249 – Chemistry – Other

The reaction $C_2H_6O + 3O_2 = 2CO_2 + 3H_2O$ is the combustion of ethanol. What occurs as the reaction proceeds?

Solution:

$C_2H_6O + 3O_2 = 2CO_2 + 3H_2O$

Ethanol, C_2H_5OH burns with oxygen in air to give 2 moles of gas carbon dioxide and 3 moles of water vapor.

Oxygen is reduced and carbon is oxidised during the reaction