

The reaction,  $\text{C}_2\text{H}_6\text{O} (\text{l}) + 3\text{O}_2 (\text{g}) \rightarrow 2\text{CO}_2 (\text{g}) + 3\text{H}_2\text{O} (\text{g})$ , is the combustion of ethanol. What occurs as the reaction proceeds?

- a. a precipitate is formed
- b. light and heat are given off
- c. a new odor is given off
- d. the solution bubbles

**Solution:**

The correct answer is (b). Ethanol burns with a smokeless blue flame, without forming precipitate during this process. Also, it does not emit any new odor during burning and solution does not bubble.

**Answer:**

The correct answer is (b).

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