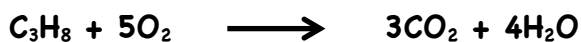


Hydrocarbon Combustion Reactions

Write balanced chemical equations for the following reactions.

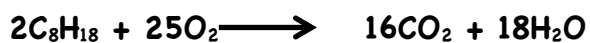
1. The burning of propane (C_3H_8) in a barbecue.

propane + oxygen \longrightarrow carbon dioxide + water



2. The combustion of gasoline (mainly octane C_8H_{18}) by an automobile engine.

octane + oxygen \longrightarrow carbon dioxide + water



3. The combustion of cyclopropane (C_3H_6). This was once used as an anaesthetic.

cyclopropane + oxygen \longrightarrow carbon dioxide + water

