Burning Fuel
Complete Combustion

Combustion is a chemical reaction. Build the fuel and oxygen molecules with LEGO® bricks. Place them on their pictures.

C₃H₈ (propane)  5 O₂ (oxygen)
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When there is plenty of oxygen available, fuel burns completely, producing only carbon dioxide and water. This reaction is called complete combustion.

1. Take apart the fuel and oxygen from Side 1. Make as many water molecules as you can with the same LEGO® bricks.

   H₂O (water)

2. Make carbon dioxide molecules with the leftover bricks.

   CO₂ (carbon dioxide)

3. Combustion increases CO₂ (carbon dioxide) in the air. Excess carbon dioxide contributes to climate change by keeping more heat in the atmosphere.

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