

Where does energy come from when methane burns?

We know that when the gas methane (formula: CH₄) is burned in air, heat energy and light energy are produced along with carbon dioxide and water. Where does this energy come from? There are some ideas in the table.

Decide if you **agree** or **disagree** with each statement.

- Write down your own views.
- Discuss your responses with your group.
- Write down your group's views.

A = Agree

D = Disagree

The energy comes from ...	Own A or D	Group A or D
the methane as it is split up in the reaction with air.		
the flame.		
the sun and was absorbed by plant material that became methane.		
the methane where it was stored as potential energy.		
making bonds in carbon dioxide and water.		
burning the methane.		
breaking bonds in the methane.		