

# Hydrogen fuel cell

- It converts the energy produced by a chemical reaction involving combination of hydrogen and oxygen into electric power.

**Overall cell reaction:  $2\text{H}_2 + \text{O}_2 \rightarrow 2\text{H}_2\text{O} + \text{electricity}$**

- It will produce electricity as long as fuel (hydrogen) is supplied.
- Hydrogen fuel cell vehicles use hydrogen and oxygen to power an electric motor.

