

Model 7 – Fuel cell charging station / chemical energy

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Topic

Converting chemical energy into electrical energy. When the hydrogen required for the combustion reaction is generated using electricity from renewable sources, the fuel cell can be considered renewable energy.

Learning objective

- Forms of renewable energy and energy converters. From chemical energy to electrical energy.
- Water electrolysis. Function and effectiveness of a hydrogen fuel cell.
- The electrochemical reaction of *cold combustion*.
- Storage of electricity from renewable energy sources (solar / wind energy)

Time required

45 minutes.