WHAT DOES A HYDROGEN FUEL CELL DO?

Hydrogen fuel cells convert hydrogen gas and oxygen into water, turning chemical energy into electrical energy.

How does it work?

1. Oxygen is readily available in the atmosphere, so it’s only necessary to supply the fuel cell with hydrogen.
2. To turn hydrogen and oxygen into electricity, every fuel cell needs three components: an anode, a cathode and an electrolyte membrane.
3. Heat generated from the fuel cell converts into hot water for use.
4. When pressurized hydrogen enters the fuel cell at the anode, the platinum-containing anode catalyst separates it into protons and electrons.
5. The protons travel through the electrolyte membrane towards the cathode, where electrons are diverted to an external circuit that generates an electrical current.