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Green Hydrogen from Solar Panel

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Background: The end of fossil fuels is only a matter of time, so what will the world use for after it ends? It was necessary to think of a way to find an alternative, and we found that green hydrogen is the appropriate alternative, as it will be produced by exploiting solar energy and "environmentally friendly" water.

Objectives:
1. Hydrogen storage.
2. Producing a renewable and environmentally friendly energy source.
3. Using solar energy as a source of electricity.

Methods: in this work, we measured the intensity of the energy absorbed by the solar panels from the sun, after the solar panels absorbed the sun's rays, we converted the energy into electrical energy, then we connected it to the pump that supplies the electrolyzer with water, as it works to analyze the water into its original elements, hydrogen . and oxygen. And it was stored in special containers to use pure green hydrogen as an energy alternative, and oxygen is discharged to the environment or used for medical purposes.

Results: Obtaining pure green hydrogen through which light was powered without the need for fossil fuels

Conclusion: We concluded that we can produce energy without emitting carbon dioxide into the atmosphere

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