

## Applications of hydrogen

Where can hydrogen be used for and how does this process work, you will read more about the applications below.

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- [Where can hydrogen and the fuel-cell be used for in the future?](#)

### **Where is hydrogen used for nowadays?**

Nowadays, hydrogen-gas is a fuel which is not used very often because the technique necessary to generate energy out of hydrogen is very expensive. They already use hydrogen at space-travel, here the money is available. At this moment they are running tests with hydrogen-gas in vehicles. For the future, it is important to reduce the costs of this technique, maybe then it is possible to use hydrogen-gas more and more.

### **Where can hydrogen and the fuel-cell be used for in the future?**

There are lots of applications for hydrogen as energy-source, if people really want to use it. The most important application for hydrogen is the car. Cars are very important for this new technique, because a lot of the carbon dioxide (CO<sub>2</sub>) pollution is coming from the emission of cars. If cars in the future are driving on hydrogen-gas instead of petrol, the emission will be vapor instead of pollution with CO<sub>2</sub>. Some car companies are developing the so called 'hybrid'-vehicles. Hybrid-vehicles are cars which are driving on 'water'. The expectation is that these cars are on the road by 2004.