

Natural Resources Line of Inquiry

Lesson 3

Hydrogen as an Alternative Fuel - CCRS Level C

Cars have always relied on one kind of fuel, but that fuel can be expensive and will not last forever. This makes it hard for businesses to plan for the future. To solve this problem, the car industry started looking for other kinds of fuel that are better for the environment and more stable in price. One of these new fuels is called hydrogen. Hydrogen first started being used in cars around the early 2000s. It's special because it can power cars using something called fuel cells, which make electricity for the car to run on.

There are a few good things about using hydrogen. First, it is efficient, which means it can make cars go a long way without using too much fuel. Second, it helps reduce how much we rely on oil from other countries. Third, when hydrogen is used in cars, it doesn't make bad things like pollution, but making hydrogen can sometimes cause pollution, which is a problem.

Even though there are still some big challenges to using hydrogen in cars, like figuring out how to store it safely and making enough of it without harming the environment, many scientists and companies believe that hydrogen could be a good choice for cars in the future.

Adapted from:

Using Natural Resources for Energy: Reader (2019). Core Knowledge Foundation.

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Zehnder, Caralyn; Manoylov, Kalina; Mutiti, Samuel; Mutiti, Christine; VandeVoort, Allison; and Bennett, Donna. (2018). *Introduction to Environmental Science: 2nd Edition*. Biological Sciences Open Textbooks.

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