



LEP Developing English Virtual Learning

9-12 LEP Developing:

The Fast and the Fuel Efficient (What You Should Know: Alternatives and Hybrids)



9-12 LEP Developing English

The Fast and the Fuel Efficient: **April 9, 2020**

Objective/Learning Target:

Speaking/Recount: Describing the sequence of processes, cycles, procedures, or events with details

Reading/Recount: Identifying detailed descriptions, procedures, and information in paragraphs

Writing/Recount: Summarizing content-related material

The Fast and the Fuel Efficient, p. 364

What you should know: Alternatives and Hybrids

Watch the video of the reading of this text introduction.

You can watch the video as many times as you like.

other than the traditional options, such as gasoline and diesel. Many alternative fuels are also renewable, so they'll never run out.

- **Alcohols** are mainly methanol and ethanol. They are made mostly from coal and grain.
- **Blends** are mixtures of traditional and alternative fuels, such as E85 (85% ethanol and 15% gasoline).
- **Hydrogen** is mostly made from petroleum. It can also be made by passing electricity through water.
- **Electricity** is created by traditional or alternative fuel sources. It is stored in a rechargeable battery.
- **Biodiesel** is a diesel fuel replacement or additive. It is made from vegetable oil or animal fat.

Why Go Alternative? Alternative fuels reduce exhaust emissions like carbon monoxide and carbon dioxide, which cause air pollution and contribute to global warming. Some alternative fuels also cost less.

What is a Hybrid? A hybrid car uses at least two different fuel sources. For example, it can combine gasoline with electricity.

Why Go Hybrid? Because of their special technology, hybrid cars get much higher gas mileage than the

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NATIONAL GEOGRAPHIC EDGE



Name four kinds of fuel used in vehicles.

1. _____
2. _____
3. _____
4. _____



What makes a car a hybrid?

Your definition: _____

Give two examples of hybrids.

1. _____

2. _____

Record your response to the [FlipGrid](#)
[topic.](#)

Be sure to discuss all three:

1. 1 benefit of a car that uses alternative fuels
2. 1 challenge of having a car that uses alternative fuels
3. Do you want to use alternative fuels or drive a hybrid car? Why or why not?