

Rainbow Readers

Title: Make It Go

Word Study

Fill in the blanks using the words.

invented	efficiently	compress	commercial	pistons
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1. He did his chores very efficiently and finished an hour early.
2. Pistons move in engines and help create motion.
3. People can't live in this building because it is for commercial use only.
4. If you compress your clothes, you can fit more in your bag.
5. She invented a new engine that uses water for fuel.

Reading Comprehension

A. Circle T for true and F for false.

1. Motors and engines are the same thing. T / F
2. Steam engines are used to make electricity. T / F
3. There are many things that can go wrong with a car engine. T / F
4. Steam engines used to power almost everything a long time ago. T / F
5. Fuel injectors are controlled by humans. T / F

B. Circle the correct word(s).

1. Most engines are not (simple / complex).
2. Henry Ford (created / improved) the process for making cars.
3. Engines change energy into (power / motion).
4. Hybrid engines use both fuel and (diesel / electric) power.
5. Electric cars create no (power / pollution).

C. Choose the best answer.

1. What do motors and engines both do?

- a. They both use fuel.
- b. They both use electricity.
- c. They both create motion.
- d. They both cost a lot of money.

2. Which vehicle is NOT mentioned as appearing in the late 1900s?

- a. High speed trains
- b. Commercial jets
- c. Space shuttles
- d. Hybrid cars

3. What is the core of an engine?

- a. Combustion
- b. Pistons
- c. Cylinders
- d. Fuel

4. Which of the following is NOT a way diesel engines are different from gas engines?

- a. They don't use spark plugs.
- b. They are more fuel efficient.
- c. They produce a lot steam.
- d. They are much louder.

5. What happens when a car is lighter?

- a. It uses less fuel.
- b. It is more powerful.
- c. It is more dangerous.
- d. It moves much quicker.

Summary

Fill in the blanks with the words.

combustion	hybrid	complex	process	fuel
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There are many different kinds of motors and engines. Some are simple, but most are complex. Motors use electricity, and engines use fuel. Engines are used to power things like cars and airplanes. A long time ago, we only had horses to help us. Then the steam engine was invented. Sixty years after that, cars became popular. This was because Henry Ford improved the process of making cars. This caused a lot more engines to be built. By the end of the 1900s, we had things like high speed trains and commercial jets. All of these changes happened because of the internal combustion engine. It burns fuel inside the engine. It turns energy into motions. Today we have many different types of engines. The biggest difference between them is the fuel they use. Some use diesel fuel, some use gas, some use electricity, and some use fuel and energy. They are called hybrid engines. These engines and electric ones are good for environment. It's hard to imagine life without engines.