

Name \_\_\_\_\_ Date \_\_\_\_\_

**Instructions:** Read each question carefully and choose the best answer.

1. Why is solar energy a good way to power machines?
  - Ⓐ It does not get used up like oil does.
  - Ⓑ Solar panels can be put up in many places.
  - Ⓒ No pollution is released when using solar energy.
  - Ⓓ All of the above
2. As compared to today, how will life be different in 2056 if something isn't done to reduce the use of gasoline?
  - Ⓐ There will be no cars.
  - Ⓑ There will be fuel shortages.
  - Ⓒ There will not be any pollution.
  - Ⓓ The weather is likely to be colder.
3. What is an **alternative fuel**?
  - Ⓐ something unusual
  - Ⓑ a different kind of fuel
  - Ⓒ a fuel made from grass
  - Ⓓ a way to get oil from rock
4. What is holding people back from using solar energy more?
  - Ⓐ The heat from the Sun is too great.
  - Ⓑ There's no sunlight in many places.
  - Ⓒ The cost of making the solar cells is too great.
  - Ⓓ Solar cells are made from a very rare ingredient.
5. Where do scientists hope to get hydrogen to use in cars?
  - Ⓐ from space
  - Ⓑ from water
  - Ⓒ from rocks
  - Ⓓ from plants
6. Why can't people just keep consuming gasoline at the rate they are today?
  - Ⓐ The world's supply of gas is limited.
  - Ⓑ Gasoline engines will not be built after 2015.
  - Ⓒ Gasoline will not be used as much in the future.
  - Ⓓ Gasoline will not be able to be manufactured.

*Quick Check continued on following page*

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7. Fuel cells that would store hydrogen in cars are similar to \_\_\_\_\_.  
Ⓐ a battery  
Ⓑ a gas tank  
Ⓒ a water tank  
Ⓓ a solar panel
8. What is the main advantage of ethanol over gasoline?  
Ⓐ It is cheaper to produce than gasoline.  
Ⓑ It comes from a renewable source.  
Ⓒ It changes plant matter into sugar.  
Ⓓ All of the above
9. What is the result of the pollution that comes from burning gasoline?  
Ⓐ Earth is warming.  
Ⓑ Glaciers are melting.  
Ⓒ Weather patterns are changing.  
Ⓓ All of the above
10. What is an **atom**?  
Ⓐ a type of fuel  
Ⓑ a source of gasoline  
Ⓒ the animal that releases ethanol  
Ⓓ the smallest unit of a chemical element
11. **Extended Response:** Explain why using hydrogen fuel in cars would not pollute Earth.
12. **Extended Response:** What do you think the author's purpose was for writing this book?

## Quick Check Answer Sheet

## Alternative Fuel Cars

Main Comprehension Skill: Compare and Contrast

1. Ⓓ Main Idea and Details
2. Ⓑ Compare and Contrast
3. Ⓑ Vocabulary
4. Ⓒ Cause and Effect
5. Ⓑ Main Idea and Details
6. Ⓐ Main Idea and Details
7. Ⓐ Compare and Contrast
8. Ⓑ Compare and Contrast
9. Ⓓ Cause and Effect
10. Ⓓ Vocabulary
11. Answers should include the following idea: *when using hydrogen as a fuel, the waste created is pure water, which is not a pollutant.*
12. Answers will vary but will likely include the following: *the author wants to educate readers about why alternative fuels need to be studied and improved and wants to inform readers about the different kinds that are now available.*