

Name _____ Date _____

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

1. What is the Sun mostly made of?
 - Ⓐ ultraviolet rays
 - Ⓑ hydrogen gas
 - Ⓒ helium gas
 - Ⓓ electricity
2. The surface of the Sun _____.
 - Ⓐ is a storm of activity
 - Ⓑ directs all its energy toward Earth
 - Ⓒ is always at the same level of activity
 - Ⓓ all of the above
3. What force keeps Earth in its current orbit?
 - Ⓐ Sun's heat
 - Ⓑ Sun's gravity
 - Ⓒ Earth's gravity
 - Ⓓ other planets' orbits
4. An area on the Sun that is cooler than other areas is a _____.
 - Ⓐ flare
 - Ⓑ fusion
 - Ⓒ reaction
 - Ⓓ sunspot
5. What is a **solar flare**?
 - Ⓐ a structure built to capture solar energy
 - Ⓑ the reaction by a planet to the Sun's heat
 - Ⓒ a sudden burst of energy on the Sun's surface
 - Ⓓ energy waves that cannot be seen by humans
6. What is the author's purpose for writing this book?
 - Ⓐ to provide readers with information about the Sun
 - Ⓑ to encourage readers to wear sunscreen any time they are outside
 - Ⓒ to teach readers about how the Sun and the Moon are alike
 - Ⓓ to entertain readers with a story about the Sun

Quick Check continued on following page

Name _____ Date _____

7. Radiant energy turns to _____ when absorbed by an object.
Ⓐ heat
Ⓑ fusion
Ⓒ radiation
Ⓓ electricity
8. How are coal and solar collectors similar?
Ⓐ Both use energy stored long ago.
Ⓑ Both absorb radiant energy from the Sun.
Ⓒ Both use energy from the Sun to create heat.
Ⓓ All of the above
9. What is **fusion**?
Ⓐ when atoms blend and release energy
Ⓑ when energy travels across space
Ⓒ when energy is given off as light
Ⓓ when light travels to Earth
10. What caused the power outage in the United States and Canada in 1989?
Ⓐ radiant energy
Ⓑ radiation
Ⓒ solar cells
Ⓓ sunspots
11. **Extended Response:** How is food actually energy from the Sun?
12. **Extended Response:** If you lived in a hot climate, explain what color car would be the best to have to stay as cool as possible and why.

Quick Check Answer Sheet

The Sun

Main Comprehension Skill: Cause and Effect

1. Ⓑ Main Idea and Details
2. Ⓐ Main Idea and Details
3. Ⓑ Cause and Effect
4. Ⓓ Vocabulary
5. Ⓒ Vocabulary
6. Ⓐ Author's Purpose
7. Ⓐ Main Idea and Details
8. Ⓒ Compare and Contrast
9. Ⓐ Vocabulary
10. Ⓑ Cause and Effect
11. Answers will vary but should include the following idea: *all plants rely on the Sun's energy to grow, so when we eat plants or animals that have eaten plants, we are eating a form of the Sun's energy to fuel ourselves.*
12. Answers will vary but should include the following: *a white or silver car would be best to stay cool because these colors would reflect the most radiant energy, or absorb the least amount of heat.*