

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

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

1. What is a **constellation**?
  - Ⓐ a very large star
  - Ⓑ a newly formed sun
  - Ⓒ a sun and its planets
  - Ⓓ a group of stars that make a shape
2. The purpose of the section titled "Solar Telescopes" is to tell readers that \_\_\_\_\_.
  - Ⓐ solar telescopes are necessary because the sun is too bright to use a regular telescope
  - Ⓑ Kitt Peak has the largest solar telescope in the world
  - Ⓒ solar telescopes have three mirrors to reflect the Sun's light
  - Ⓓ astronomers move mirrors so they can follow the sun across the sky
3. What is the author's purpose for writing this book?
  - Ⓐ to inform readers about telescopes
  - Ⓑ to teach readers about science-fiction writing
  - Ⓒ to persuade readers to buy a telescope
  - Ⓓ to entertain readers with stories about telescopes
4. Why do the stars look different each night?
  - Ⓐ The stars change patterns.
  - Ⓑ Earth moves and rotates.
  - Ⓒ Some stars stop shining and then start again.
  - Ⓓ All of the above
5. Why do astronomers have to move the mirrors on the solar telescope?
  - Ⓐ to follow the Sun
  - Ⓑ to keep them clean
  - Ⓒ to keep them away from wind
  - Ⓓ all of the above

*Quick Check continued on following page*

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6. What do the domes around telescopes do?
  - Ⓐ keep birds from hitting the telescopes
  - Ⓑ allow telescopes to extend to the sky
  - Ⓒ change the view of the sky
  - Ⓓ let in air from outside
7. An **astronomer** studies \_\_\_\_\_.
  - Ⓐ telescopes
  - Ⓑ objects in space
  - Ⓒ planes and rockets
  - Ⓓ alien creatures in space
8. Why do astronomers need special solar telescopes?
  - Ⓐ because the Sun is so far away
  - Ⓑ so they can see inside the Sun
  - Ⓒ because the Sun is so bright
  - Ⓓ to make the Sun smaller
9. Why is it important to have an up-to-date star chart when looking through a telescope?
  - Ⓐ Each season, the night sky looks different.
  - Ⓑ Nebulae and galaxies cannot be found without a star chart.
  - Ⓒ Stars are constantly moving their positions in the sky.
  - Ⓓ All of the above
10. Why is Kitt Peak a great place for an observatory?
  - Ⓐ It is away from city lights.
  - Ⓑ It is above all the dust in the valley.
  - Ⓒ It is up high, so it is closer to the planets and stars.
  - Ⓓ All of the above
11. **Extended Response:** Why do astronomers sleep during the day?
12. **Extended Response:** Explain two reasons why you would or would not like to visit the Kitt Peak National Observatory. Use details from the book to support your answer.

## Quick Check Answer Sheet

## A Visit to Kitt Peak

Main Comprehension Skill: Author's Purpose

1. Ⓓ Vocabulary
2. Ⓐ Author's Purpose
3. Ⓐ Author's Purpose
4. Ⓑ Make Inferences / Draw Conclusions
5. Ⓐ Cause and Effect
6. Ⓓ Main Idea and Details
7. Ⓑ Vocabulary
8. Ⓒ Cause and Effect
9. Ⓐ Cause and Effect
10. Ⓓ Make Inferences / Draw Conclusions
11. Answers will vary, but should include: *the astronomers sleep during the day so when the stars are out at night, they can work.*
12. Answers will vary but all should include two reasons using ideas from the text. Example: *I would like to go to Kitt Peak because I think studying the stars is really fun, and I would be able to see the stars through the powerful telescopes there.*