

Why Don't We See Stars in the Daytime?



Photo Credit: ESA Hubble NASA

At night, we see many stars in the sky. Those stars are made of burning gases. They are hot, and they shine. But stars are in the sky both day and night. So why do we only see stars at night?

In the daytime we see the sun shine. Our sun is a very bright star. The sun's bright light blocks out other stars. It blocks out stars that are not as bright.

When evening comes, we cannot see the sun. Its bright light goes away. We see a dark night sky. That lets us see the lights of other stars.

Name: _____ Date: _____

Directions: For questions 1-4, circle the correct answer.

1. When are stars in the sky?

- a) during the day
- b) at night
- c) during both the day and at night

2. How does the passage describe stars?

- a) They are hot and they shine.
- b) They are cold and dark.
- c) They are made of electricity.

3. We can't see stars during the day because of the sun. Which information from the passage shows this is true?

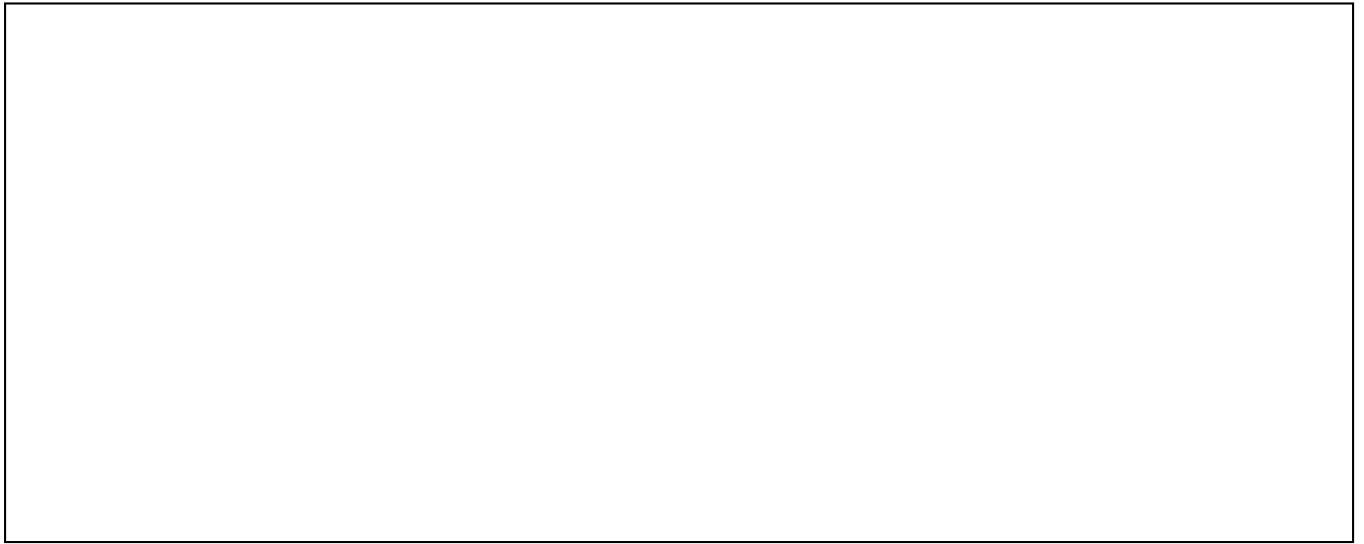
- a) Stars are made of burning gases.
- b) Stars are in the sky both day and night.
- c) The sun's bright light blocks out other stars.

4. What is "Why Don't We See Stars in the Daytime?" mainly about?

- a) how bright the sun is
- b) why we don't see stars in the daytime
- c) what stars are made of

5. A) What star can we see during the day?

B) Draw a picture of the sun's light blocking out other stars.



6. What did you learn from "Why Don't We See Stars in the Daytime"?

7. Class Discussion Question: Compare and contrast the stars we see at night and the sun. Then explain why we can see only the sun and not the other stars in the sky during the daytime.

Teacher Guide & Answers

Note to Teacher: Read each question out loud to your students and have each student complete the worksheet independently. For questions 5 A) and 6, you can have students draw their answers, answer orally, or write their answers depending on your students' progress. If you have them write their answers, you may want to write the word(s) on the board for them to copy. Question 7 is a class discussion question.

Passage Reading Level: Lexile 410

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- b) why we don't see stars in the daytime**
- c) what stars are made of

5. A) *Note to Teacher: See note at the top of the first page.*

What star can we see during the day?

Suggested answer: the sun

- B) Draw a picture of the sun's light blocking out other stars.

Suggested answer: Students' pictures may vary but should include the sun and its bright light over the light of other smaller stars.

6. *Note to Teacher: See note at the top of the first page.*

What did you learn from "Why Don't We See Stars in the Daytime"?

Suggested answer: Answers may vary and should be supported by the passage.

7. *Note to Teacher: See note at the top of the first page.*

Class Discussion Question: Compare and contrast the stars we see at night and the sun. Then explain why we can see only the sun and not the other stars in the sky during the daytime.

Suggested answer: Answers may vary but students should explain that the sun is a very bright star but other stars in the sky are not as bright. The sun shines so brightly that we can't see the light from the other stars; however, at nighttime, we can't see the sun or its light because the sun sets so we can see the light from the smaller stars.