

## Worksheet: The Moonlight

Name : \_\_\_\_\_

Date : \_\_\_\_\_

Class : \_\_\_\_\_

### Instructions:

- Answer the multiple-choice questions by circling the correct option.
- Fill in the blanks with the correct answer.
- Write your answer to the structured question in the space provided.
- Be creative and thoughtful in your responses to the HOTS questions.
- Enjoy exploring the fascinating world of moonlight!

### Multiple Choice:

1. What is moonlight?

- A) Light emitted by the moon
- B) Light reflected by the moon from the sun
- C) Light emitted by stars around the moon

2. Why does the moon give off light?

- A) Because it's a glowing object
- B) Because it reflects light from the sun
- C) Because it absorbs light from the stars

3. Which of the following best describes the source of moonlight?

- A) Moon produces its own light
- B) Moon reflects light from the sun
- C) Moon absorbs light from Earth

**Fill in the Blanks:**

- 4. Moonlight is actually \_\_\_\_\_ from the sun that bounces off the moon's surface.
- 5. Unlike the sun, the moon does not \_\_\_\_\_ its own light.
- 6. Moonlight is a result of the \_\_\_\_\_ of sunlight by the moon.

**Structured Question:**

- 7. Explain in your own words how moonlight is created. Use the concept of reflection to describe the process. (Hint: Think about what happens when sunlight hits the moon's surface.)

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### High Order Thinking Skills (HOTS) Questions:

8. Imagine you're an astronaut standing on the surface of the moon during the phase of a full moon. Describe how the moonlight would appear to you from this perspective. **HOTS** **ANALYSIS**

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9. Discuss whether moonlight can be used as a source of energy on Earth. Provide reasons for your answer and consider factors like efficiency and practicality. **HOTS** **EVALUATION**

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