

Worksheet: Phases of The Moon

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 phase of the Moon!

Multiple Choice:

1. What causes the phases of the Moon?

- A) Earth's rotation
- B) Moon's orbit around the Sun
- C) Earth's orbit around the Moon
- D) Moon's rotation on its axis

2. During which phase of the Moon can a lunar eclipse occur?

- A) Full Moon
- B) New Moon
- C) First Quarter
- D) Third Quarter

3. Which phase of the Moon occurs between the Full Moon and the Last Quarter?

- A) Waxing Gibbous
- B) Waning Gibbous
- C) Waxing Crescent
- D) Waning Crescent

4. What is the name of the phase when only a small sliver of the Moon is visible?

- A) Full Moon
- B) New Moon
- C) First Quarter
- D) Third Quarter

5. How long does it take for the Moon to complete one full cycle of phases?

- A) 7 days
- B) 14 days
- C) 27.3 days
- D) 365 days

Fill in the Blanks:

6. The phase of the Moon when it is between the Earth and the Sun is called _____.

7. During a lunar eclipse, the Earth comes between the Sun and the Moon, causing a _____.

Structured Question:

8. Explain why the Moon appears to change its shape (phases) throughout the month. Use diagrams to support your answer.

High Order Thinking Skills (HOTS) Questions:

9. Compare and contrast a solar eclipse with a lunar eclipse. Include information about what causes each type of eclipse, how they occur, and their effects on Earth and the Moon. **HOTS** **ANALYZING**

10. Draw a comic strip or storyboard illustrating a fictional journey to the Moon. Include at least four different phases of the Moon in your story and describe the changes observed during each phase. **HOTS** **CREATING**

