



Eclipse

A. Choose the Correct Answer:

1. What is an eclipse?

- a) A shadow cast by the Moon or Earth
- b) A sudden burst of light from the Sun
- c) The reflection of sunlight from the Moon
- d) The appearance of a rainbow

2. What is a solar eclipse?

- a) When the Earth comes between the Sun and the Moon
- b) When the Moon comes between the Sun and the Earth
- c) When the Moon moves away from the Sun
- d) When the Sun moves behind the Earth

3. During a lunar eclipse, the:

- a) Moon comes between the Sun and the Earth
- b) Earth comes between the Sun and the Moon
- c) Sun comes between the Earth and the Moon
- d) Moon disappears behind the Sun

B. Fill in the Blanks:

1. An eclipse occurs when one celestial body comes in the _____ of another.
2. During a solar eclipse, the _____ blocks the light of the Sun.
3. During a lunar eclipse, the Earth casts its _____ on the Moon.

C. Case Study:

Rohan and his family were excited to watch a solar eclipse.

- They used special protective glasses to observe the Sun.
- During the eclipse, the Moon slowly covered the Sun, making the sky darker for a short period.
- Rohan noticed that when the Moon completely blocked the Sun, a ring of light was visible around it.
- His teacher later explained that this was a total solar eclipse and the ring of light was called the corona.



Case Study Questions:

1. What type of eclipse did Rohan and his family observe?
2. Why did the sky become darker during the eclipse?
3. What safety precaution did Rohan's family take while observing the eclipse?
4. What is the name of the glowing ring of light around the Sun during a total solar eclipse?

D. Short Answer Questions:

1. What is a solar eclipse?
2. What is a lunar eclipse?
3. Why should we not look directly at a solar eclipse without protection?

E. Long Answer Questions:

1. Explain the difference between a solar eclipse and a lunar eclipse with diagrams.
 2. Describe how a solar eclipse occurs and why it causes temporary darkness.
 3. Why do eclipses not occur every month, even though the Moon orbits the Earth regularly?
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