

CHAPTER 10: ECLIPSE

PRACTICE THE DIAGRAM OF

- I) SOLAR ECLIPSE (PAGE 88)
- II) LUNAR ECLIPSE (PAGE 89)

DO THE FOLLOWING QUESTION ANSWERS IN YOUR NOTEBOOKS:

Q1. What is meant by the term 'eclipse'?

Ans. The term 'eclipse' comes from the Greek word 'ekleipsis' , which means 'missing or vanished'.

Q2. How does the solar eclipse occur?

Ans. Solar eclipses occur when the Moon comes in between the Earth and the Sun and casts a shadow on Earth's surface.

Q3. What happens in a total lunar eclipse?

Ans. In a total lunar eclipse the Moon and the Sun are on the opposite sides of Earth.

Q4. Where on Earth are people able to see a partial solar eclipse?

Ans. People in the region of penumbra can see a partial solar eclipse.

Q5. Give reasons for the occurrence of eclipses.

Ans. Eclipses occur due to the following reasons:

1. The orbit of the Earth around the sun
2. The orbit of the Moon around the Earth
3. The shadow that is formed when the light of the Sun hits an opaque object.