

GSA (2018)

Explain the formation of the lunar Eclipse (5)

Ans - Eclipse

The eclipse means the obscuring of one astronomical object by another

Lunar eclipse formation

Lunar eclipse means obscuring the moon from the Sun's light by the Earth's interaction between the Sun and the moon. In other words, when Earth comes between the Sun and the moon and casts the shadow across the lunar surface. The situation is called a lunar eclipse. It's a common phenomenon and about three lunar eclipse occur yearly.

Types of Lunar Eclipse

1- Complete lunar eclipse

When entire moon comes under the umbra part of the shadow, it is called a complete lunar eclipse. It happens when it is full moon, and the Sun

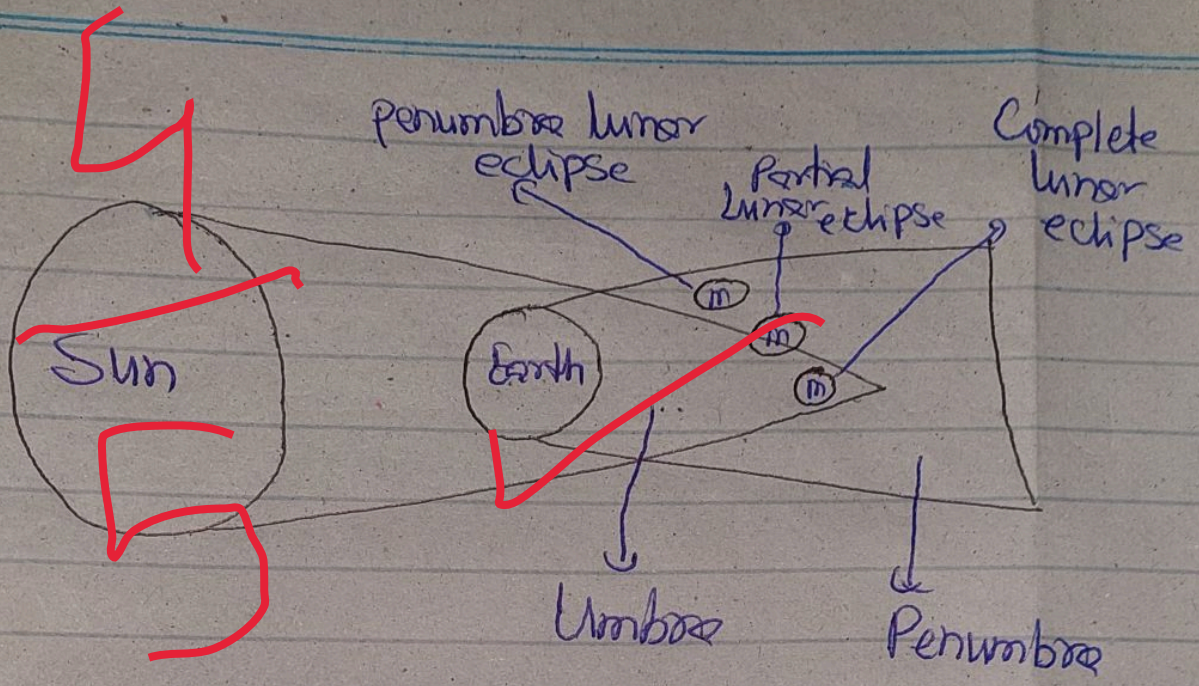
Earth, and Moon are aligned in a straight line

2- Partial lunar eclipse

When moon passes through the part of the Earth's Umbra region, it is called a partial lunar eclipse. It occurs due to the imperfect alignment of the Sun, Earth and moon.

3- Penumbraal lunar eclipse

When the moon travels through the Earth's penumbra, it is called a penumbraal lunar eclipse. It also occurs due to the imperfect alignment of the Sun, Earth, and moon.



Good answer