

b) Explain the formation of Lunar eclipse.

Eclipse: The obscuring of one astronomical object by another is known as eclipse.

Lunar eclipse formation:

It is the obscuring of moon from the sun's light by the earth's intercession b/w the sun and the moon.

In other words, when earth comes in between the sun and the moon, the sun rays stopped reaching moon and earth casts

the shadow across lunar surface. It is quite common phenomenon and occurs three in a year.

Types of lunar eclipse:

i) Complete lunar eclipse:

It happens when sun, earth and moon are aligned in same line and moon is full.

ii) partial lunar eclipse:

It occurs due to the imperfect alignment of sun, earth and moon. In this phase moon passes through earth's umbra region.

iii) penumbral lunar eclipse:

When moon passes through earth's penumbral region, in this type sun, earth and moon also aligned imperfectly.

