

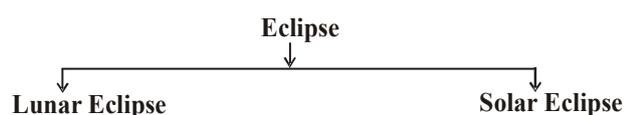
4. ECLIPSE

Types of Eclipse:

- There are two types of Eclipse occurring according to the position of Sun , Earth & Moon-

(a) **Lunar Eclipse**

(b) **Solar Eclipse**



Lunar Eclipse

- When the Earth comes in between the Sun and the Moon,
- The light of the Sun is not able to reach on the Moon,
- This position is called the Lunar Eclips.
- Lunar Eclipse occurs on fullmoon night. (but not on every fullmoon.)

- There would be maximum seven occasions for the Lunar eclipses in a single year.

Solar Eclipse

- When the Moon comes in between the Sun and the Earth.
- The light of the Sun is interrupted and shadow of the Moon falls on the Earth.
- This position is called the Solar eclipse.
- Solar Eclipse occurs on Newmoon.
- There would be maximum seven occasions for the lunar and Solar eclipses in one year.
- Diamond ring phenomenon is related to solar eclipse. This occurs just after total Solar eclipse.
- During total Solar eclipse Ultra-Violet rays emit out of Sun.
- The longest Solar eclipse of 21st century occurred on 22nd july 2009.

