Eclipse Moon and Sun

- A. Eclipse is when one planet comes in between the two planets and the shadow of the larger planet hides the smaller planet.
- B. Eclipses occur when the sun, earth and moon, all are in a straight line.
- C. Opaque object is the one that does not allow the light to pass through it. e.g. wood.
- D. When light falls on an opaque object then it creates a shadow.
- E. All planets are opaque.

When the sun's light falls on the earth and the moon, then the earth overshadows moon and sometimes moon overshadows the earth. There are two types of eclipses on our planet that is lunar eclipse and solar eclipse.

Lunar Eclipse

- A. While revolving around the earth moon comes under the earth's shadow and cannot receive the sun's light and hides completely. This phenomena is called eclipse of moon or **lunar eclipse**.
- B. Lunar eclipse normally occurs on full moon day, when earth is between the sun and the moon.
- C. When moon is partially shadowed by the earth then it is partial lunar eclipse. When moon is in complete shadow of the earth partial lunar eclipse then it is total lunar eclipse

Eclipse Moon and Sun

Solar Eclipse

- A. While revolving around the earth, moon comes between the sun and the earth and over shadows the sun. This phenomena is called **solar eclipse**.
- B. Solar eclipse occurs near the new moon days, when moon is between the sun and the earth.
- C. When sun completely hides under the moon's shadow then it is called the total solar eclipse.
- D. When sun is partially hidden then it is called the partial solar eclipse.
- E. Sun and the moon appear of the same size when looked from the earth.

