



Eclipses: Perspective is
everything

A closer look at Eclipse

01

ECLIPSES ARE
CELESTIAL EVENTS
WHERE ONE OBJECT
IN SPACE PASSES
INFRONT OF
ANOTHER, BLOCKING
ITS LIGHT.

02

SOLAR ECLIPSES
OCCUR WHEN THE
MOON OBSCURES THE
SUN.

03

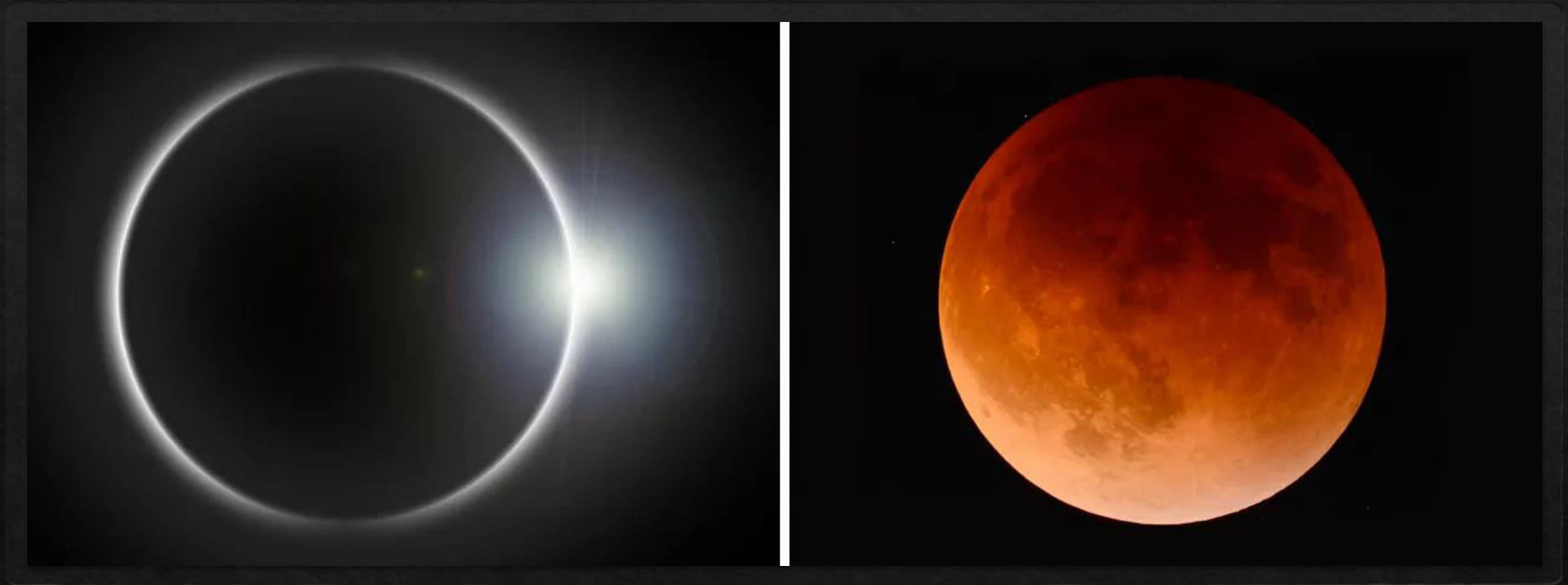
WHILE LUNAR
ECLIPSES HAPPEN
WHEN THE EARTHS
SHADOW FALLS ON
THE MOON.

Eclipsarix

Earth , our home planet is locked in an elliptical path around the Sun . This elliptical path is known as the orbit of our Earth . Earth Travels around the sun along that orbit and completes one revolution in approx 365 days and 6 hours . This is roughly the length of one year. Just as the Earth moves around the Sun in an elliptical orbit Every year , our natural satellite the moon also revolves around the Earth. It takes about approx 27 days for the Moon to complete one revolution around earth. Due to all the interrelated motion happening Between these 3 celestial events several physical phenomena occur . That's how Eclipses Occur



Alignment Sun , Moon & Earth



Watching Solar eclipse through naked eye can cause central retinal burn known as solar retinopathy

Its safe to Watch a Lunar Eclipse with the Naked Eye

- Our Project is all about ,
- *How do eclipses occur?
 - *Why do only some people on Earth see an eclipse at a given time?
 - *What causes the Sun, Moon, and Earth to align?
 - *How often do eclipses occur?
 - *How do scientists know when and where eclipses will occur?
 - *What is the difference between a lunar and solar eclipse?
 - *What is an eclipse season and why do they occur approximately every six months (or twice a year)?



“ We , Team Orion aims at studying Eclipses and related aspects . We Hope to introduce the Mechanisms of Eclipses before You . We are Excited to share our works and findings on this Beautiful Domain of Science . ”

Thankyou

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