

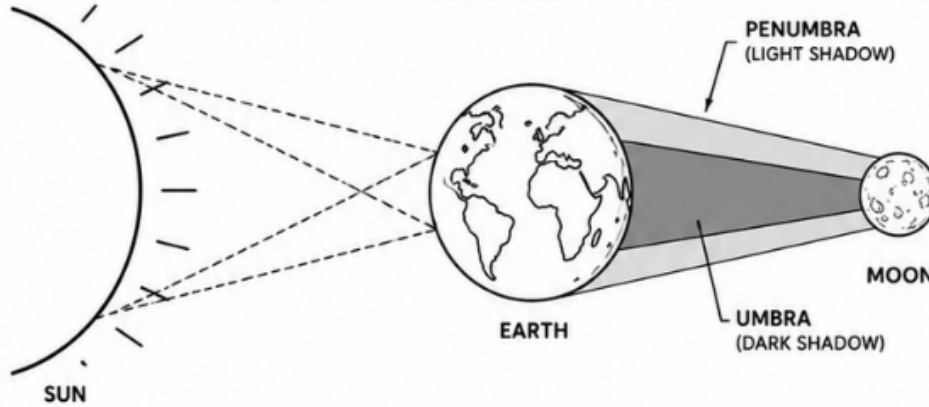
MOON ECLIPSE



EARTH'S SHADOW SHOW

A lunar eclipse happens when Earth comes between the Sun and the Moon, and Earth's shadow falls on the Moon.

HOW A MOON ECLIPSE HAPPENS



TYPES OF LUNAR ECLIPSES

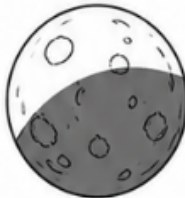
PENUMBRAL ECLIPSE

The Moon passes through Earth's light shadow (penumbra). It may look slightly dimmer.



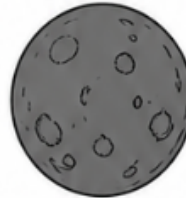
PARTIAL ECLIPSE

Part of the Moon passes through Earth's dark shadow (umbra). A portion looks dark.



TOTAL ECLIPSE

The Moon passes completely through Earth's dark shadow. It may appear red or copper.



STAGES OF A TOTAL LUNAR ECLIPSE



1. PENUMBRA
The Moon enters Earth's light shadow.



2. PARTIAL
The Moon enters Earth's dark shadow.



3. TOTALITY
The Moon is completely in Earth's dark shadow. This is the darkest part of the eclipse.



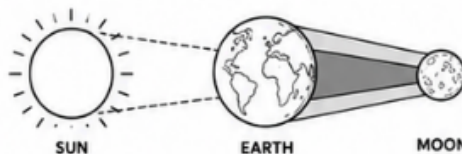
4. PARTIAL
The Moon begins leaving Earth's dark shadow.



5. PENUMBRA
The Moon leaves Earth's light shadow.

WHEN DOES A LUNAR ECLIPSE HAPPEN?

A lunar eclipse only happens during a Full Moon, and when the Sun, Earth, and Moon are lined up—in that exact order.



QUICK FACTS

TYPE: Lunar Eclipse

WHAT CAUSES IT?

Earth blocks sunlight from reaching the Moon.

HOW OFTEN?

A lunar eclipse can occur 2 to 4 times a year.

DURATION:

The whole event can last several hours.

SAFE TO WATCH?

Yes! You can watch a lunar eclipse with your eyes—no special equipment needed.

DID YOU KNOW?

- ★ During a total lunar eclipse, the Moon often looks red. This is called a "Blood Moon."
- ★ Earth's atmosphere bends some sunlight onto the Moon, making it glow red.
- ★ Lunar eclipses can be seen from anywhere on Earth where the Moon is in the sky at night.

