

Name:

"CPR" Quiz #5 - Eclipses

Attempt Description	Colour Highlighter or Pen	What does this tell you?
1st - Just your brain		What you already have in your long-term memory.
2nd - Just your notes/resources		What you understand, but not in your long-term memory.
3rd - With support from classmates or teacher		What you don't understand.

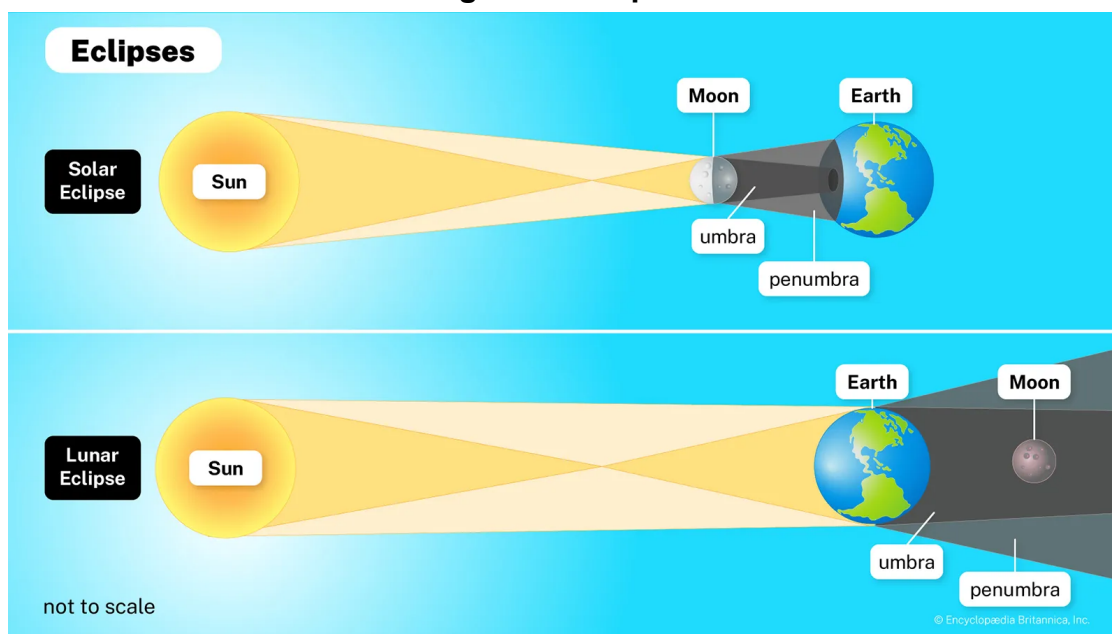
When it comes to studying effectively, make sure you start with the material that was the 3rd attempt colour because that is what needs the most work.

This question was created by Ms Garlick.

This report is about how interactions between the Sun and the Earth-Moon system affect Earth. Use specific evidence from the resources and your own knowledge to answer all parts of the report.

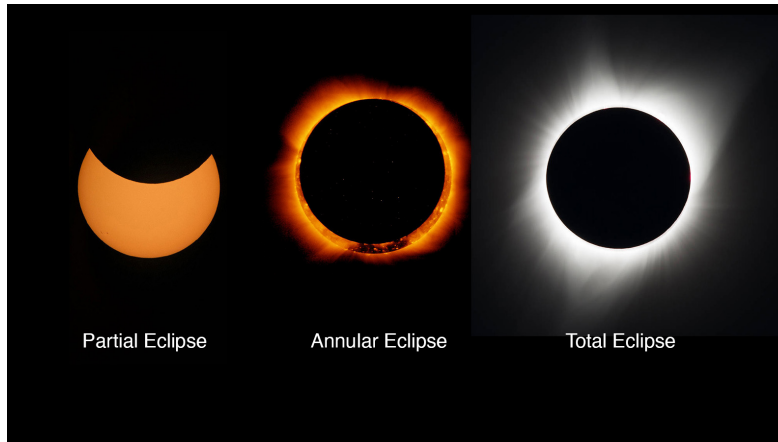
ECLIPSES

Figure 1: Eclipses



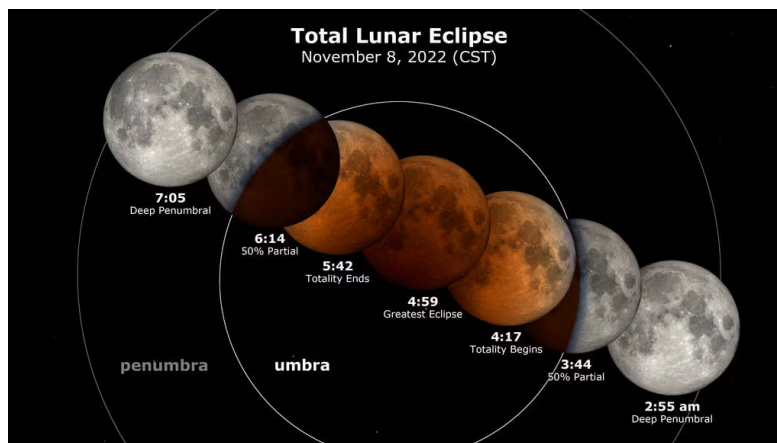
<https://www.britannica.com/summary/eclipse>

Figure 2: Types of Solar Eclipses



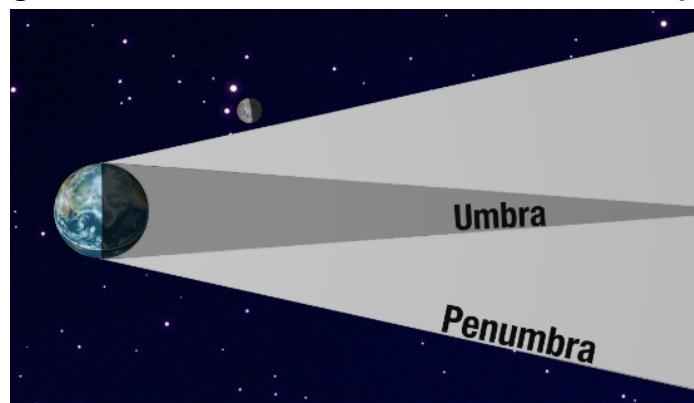
<https://www.jpl.nasa.gov/edu/news/2023/9/28/the-science-of-solar-eclipses-and-how-to-watch-with-nasa/>

Figure 3: Lunar Eclipse



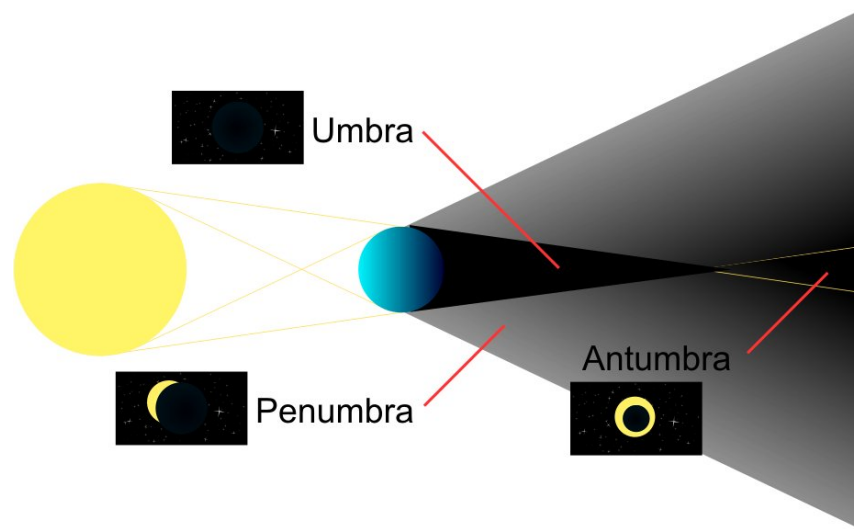
<https://www.kplctv.com/2022/11/07/lunar-eclipse-occurs-early-tuesday-morning/>

Figure 4: Umbra and Penumbra in Lunar Eclipse



<https://www.ourquadcities.com/weather/wxpedia/the-science-behind-eclipses/>

Figure 5: Umbra, Penumbra, and Antumbra in Solar Eclipse



<https://physics.stackexchange.com/questions/86402/is-antumbra-part-of-shadow-darker-than-penumbra-part-of-shadow>

Solar and lunar eclipses are amazing events that can be visible on Earth which both have inconsistent frequencies and involve the Sun, Moon, Earth, and shadows.

Discuss the similarities and differences between solar and lunar eclipses.

In your answer, you should explain:

- ☐ The placement of the Earth, Moon, and Sun in each kind of eclipse
- ☐ Which moon phase is linked to each type of eclipse and why they don't occur every month
- ☐ How do the penumbra, umbra, and antumbra influence what we see in solar and lunar eclipse
- ☐ Why are solar eclipses less common to witness than lunar eclipses

[Delete and start writing your answer.]