

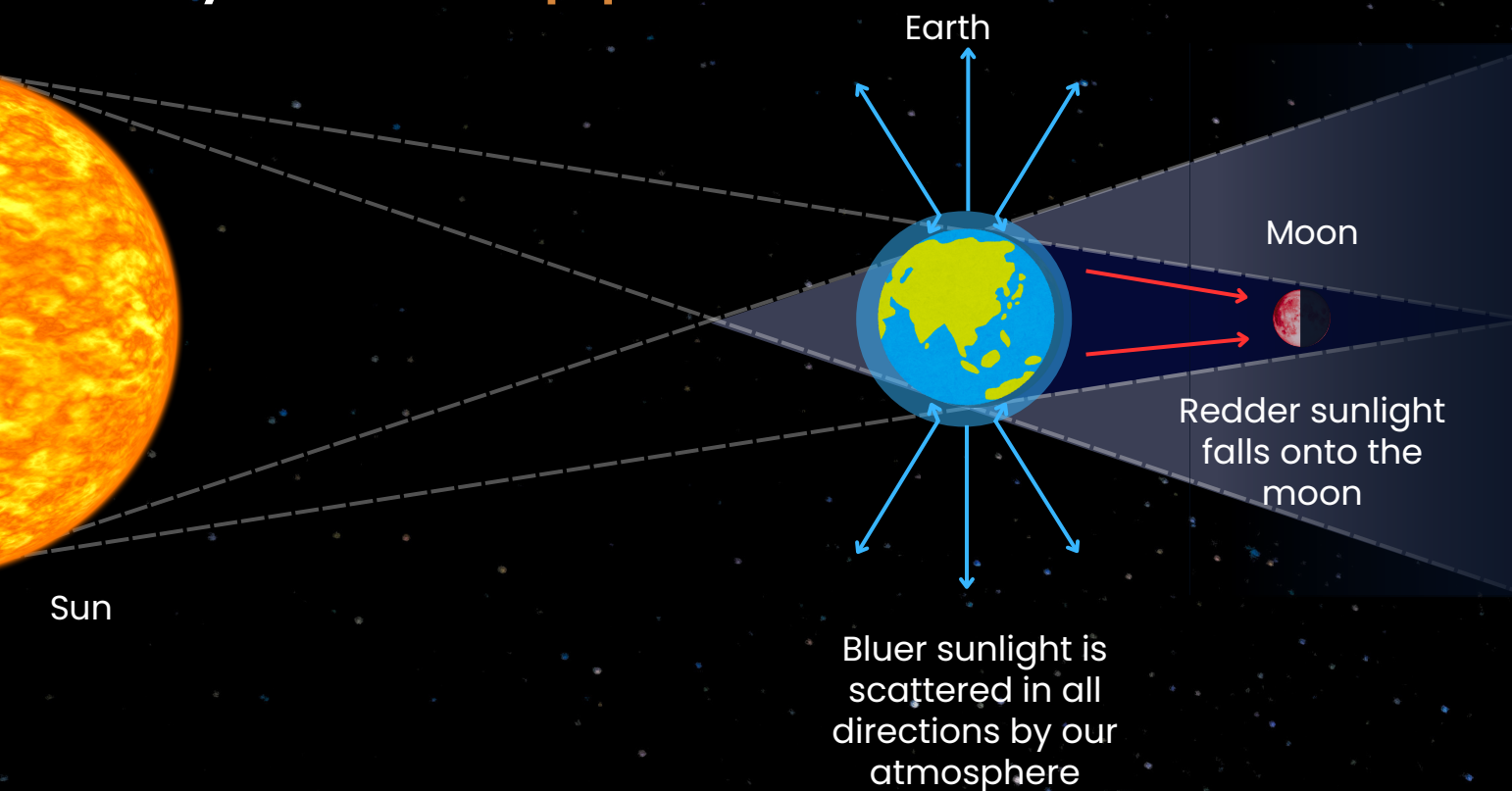
7th-8th September 2025

Copper Moon



During the total phase of the Lunar Eclipse, the face of the moon appears reddish-orange in colour. This "Copper Moon" can be a remarkable sight in the night sky!

Why is it Copper Coloured?



Though the Moon is completely in the Earth's shadow, some of the sunlight that passes through our atmosphere can refract onto the Moon. Since the bluer part of the sunlight is **Rayleigh scattered** into all directions in our sky, the redder part travels further to illuminate the Moon.

Many Shades of Reddish-Orange

The Moon can take on different shades of red and orange during a total lunar eclipse, depending on the conditions of the Earth's atmosphere on the limb as seen from the Moon. The amount of dust particles, water droplets, clouds, and mist can all have an effect on the shade of red.

Hence, the dark red or copper colour of the eclipsed Moon is due to multiple sunrises and sunsets happening all over the Earth's limb at that time!

What colour do you think it will be this time?
RED? BROWN? COPPER? WHITE?

