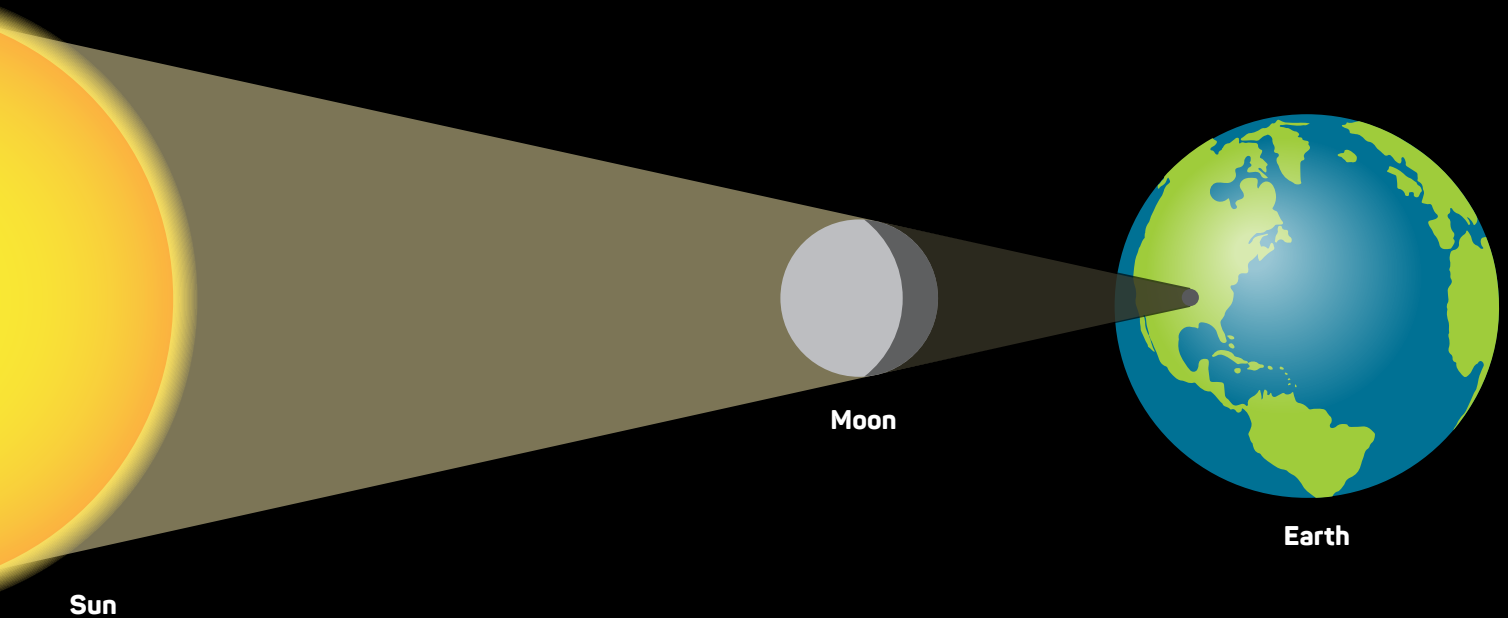


Moon's Shadow

The Moon makes a shadow on Earth when it blocks the light of the Sun.



During a solar eclipse, the Moon is in between the Sun and Earth. It blocks the light of the Sun and creates a shadow on Earth.

Image not to scale

Earth is always moving in a circle around the Sun, making a complete orbit every year.

The Moon is always moving in a circle around Earth, making a complete orbit about once a month. Every once in a while, the Sun, the Moon, and Earth line up just right and the Moon briefly casts a shadow on Earth. We call this rare event a *solar eclipse*. People who are in the area of the Moon's shadow can experience surprising things. The sky gets dark, the temperature drops, and the Sun momentarily disappears.