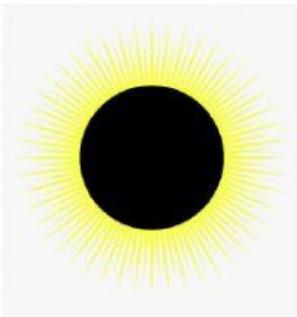


Solar Eclipse



Challenge 1

Fill in the missing words. Choose from the box below:

moon light new sun eclipse sun

A solar eclipse occurs when the _____ comes between the Earth and the _____.

This blocks the sun's _____ from a portion of the Earth for a short period of time.

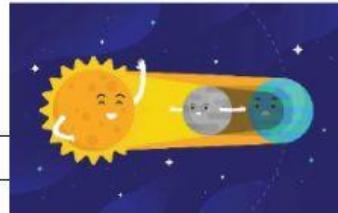
A solar eclipse only happens during a certain phase of the moon. This phase is known as the _____ moon.

The Earth takes an ecliptic path around the _____.

When the new moon occurs on the ecliptic, an _____ occurs.

Fill in the missing words. Choose from the box below:

sun moon sun



An annular eclipse is just like a total eclipse except that the ring around the _____ will still be visible.

It will look like the moon isn't big enough to cover the sun. Some light will shine around the edges.

A partial eclipse means that only part of the _____ is covered. This is because the sun and the _____ are not lined up in a straight path.

Challenge 2

Fill in True/False

1. Looking directly at the sun is very dangerous. _____
2. To look directly at the sun during an eclipse, you need to wear special hats to protect your eyes. _____
3. Sunglasses are NOT eclipse glasses. _____

Challenge 3

Use the words from the box to correctly label the diagram.

umbra penumbra total eclipse partial eclipse

