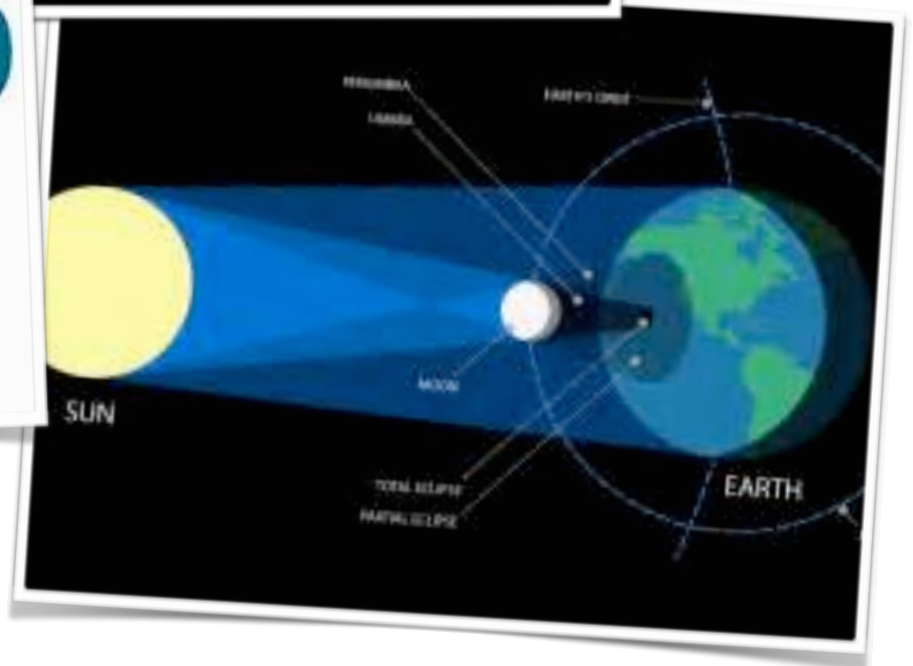


# Solar Eclipse

August 21st, 2017



# Solar Eclipse

## The eclipse of the century

Q: What is a solar eclipse?

A: [video.nationalgeographic.com/video/101-videos/solar-eclipse-101](https://video.nationalgeographic.com/video/101-videos/solar-eclipse-101)

Q: The Sun's light cannot pass through the moon, but isn't the moon smaller than the sun?

Activity: Big sun, small moon activity with a quarter and a plate.

A: So even though the moon is smaller, it still can cause a total eclipse or a blocking of the sun because it is closer to us than the sun is.

Q: How long will the sun be blocked?

A: 2 minutes and 40 seconds.

Q: Will the whole world have the sun blocked for 2 minutes and 40 seconds?

Activity: Sun and earth model.

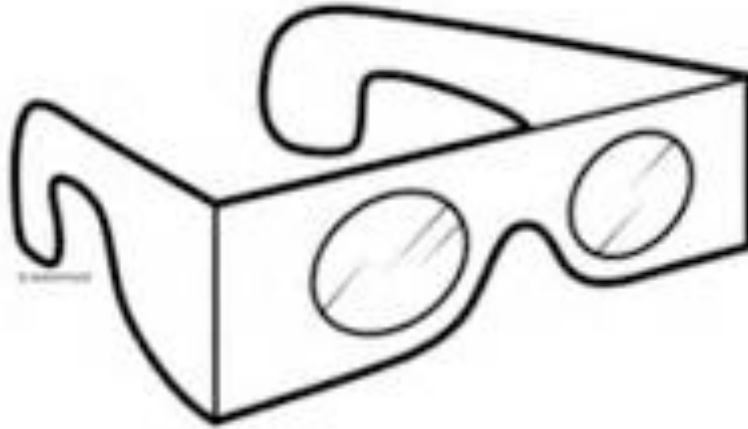
A: Only one side of the earth faces the sun, this is daylight. then when the sun rotates to the other side of the earth, that side sees the sun and our side sees night. If the earth did not turn, we would not have night.



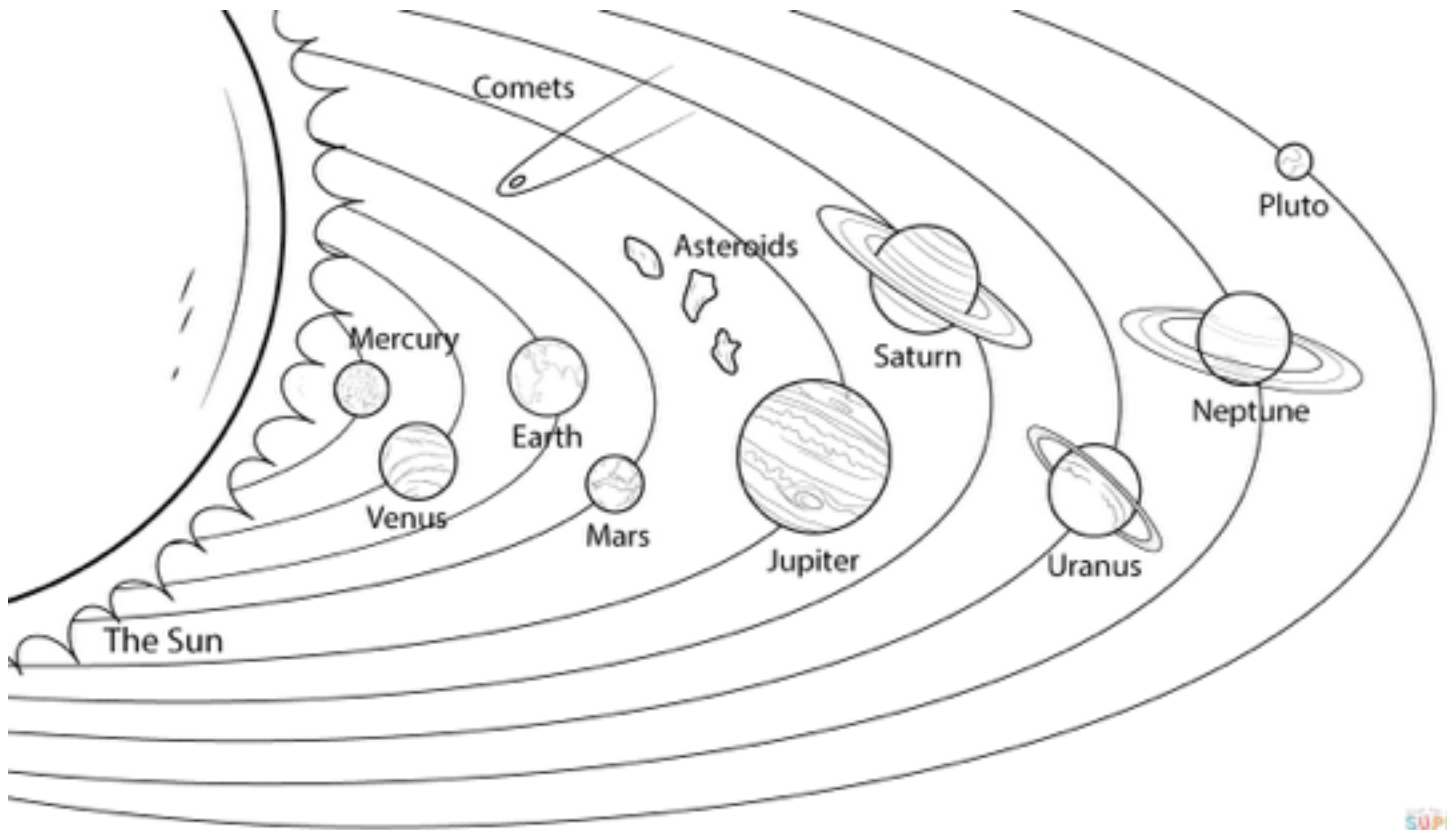
need to use special glasses with lenses made from a solar filter shaded thousands of times darker than regular sunglasses.

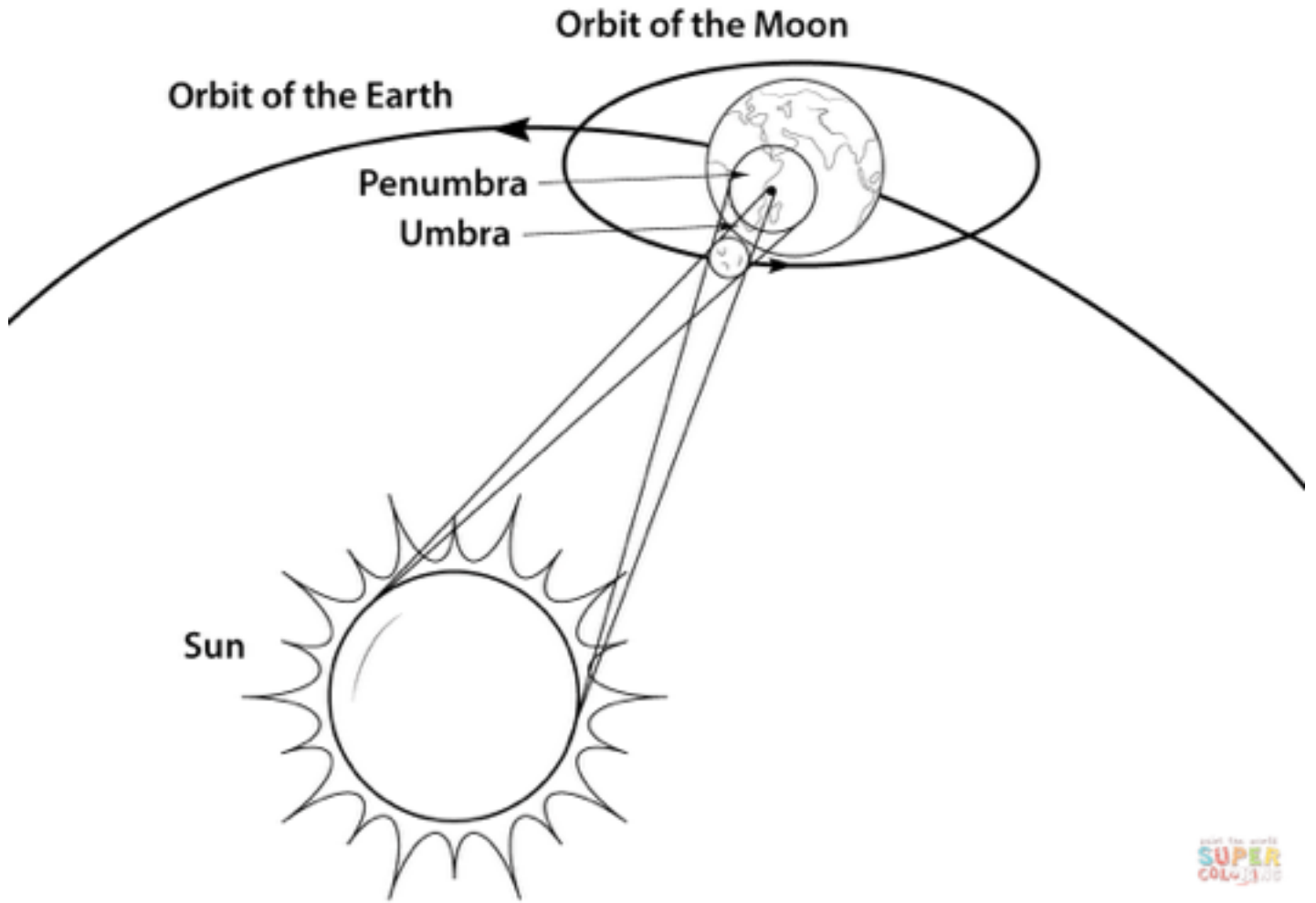
Q: Where is an area close to us that we can see the total eclipse?

A: Paducah, Kentucky. It is 3 hours and 10 minutes away.



Solar glasses are needed to view the sun in order to protect our eyes. They are 1,000 times darker than regular sunglasses.





\*The images within this lesson were obtained from google images. If you google solar eclipse you will find the same pictures within this lesson. I did not create these images and I do not claim ownership.