

Name

3.9 Solar Eclipses

Review

1. What is a solar eclipse?
2. What causes a solar eclipse?
3. What is the relationship of the umbra and the penumbra?

Explore More

Use this resource to answer the questions that follow.

1. What happens during a solar eclipse? What happens during a total solar eclipse?
2. What can scientists learn during total solar eclipses that they can't otherwise learn?

3. How do we know that the corona is hotter than the Sun's surface?

4. How did a total eclipse prove Einstein's [general theory of relativity](#)?

5. What do you need to do to see a total eclipse? How long does it last?

6. What safety precautions do you need to follow before you view an eclipse?

7. When is the next total solar eclipse in North America?