

GREAT AMERICAN SOLAR ECLIPSE TRIVIA

ANSWER KEY

1. There are **4** types of solar eclipses including Partial eclipse, Annular eclipse, Total Eclipse and Hybrid Eclipse.
2. During a solar eclipse, places within the path of **totality** will experience a total solar eclipse.
3. True or False: During a total solar eclipse, it can become dark enough for you to see stars in the sky. **True**
4. The **Umbra** is the inner shadow cast by the moon. If you are inside its path, the Sun will be completely blocked in the eclipse.
5. The **Penumbra** is the outer shadow. If you are outside the path of the umbra but inside the broader eclipse area, you will only see a partial eclipse.
6. Only the center of the Sun is covered during an **Annular** eclipse.
7. Sun shining through mountains and craters on the Moon causes the mysterious "**Bailey's Beads**" to appear during a total solar eclipse.
8. The **Corona** is the spiky crown-like layer of the Sun's atmosphere that can only be seen during a total solar eclipse.
9. Total solar eclipses happen every **18** months.
10. Los Angeles will have to wait nearly **1,600** years for their next total solar eclipse.
11. **Totality** is when the Moon completely blocks the Sun.
12. The path of totality of the Great American Solar Eclipse is about **70** miles wide.
13. True or False: It is safe to look at the sun during **totality**. **True**
14. True or False: During the eclipse, the temperature can drop 10-15 degrees. **True**
15. True or False: Shadows appear to change during a solar eclipse. **True**
16. After the August 21st eclipse, the next total solar eclipse visible over the continental United States will be on April 8, **2024**. Its path will include parts of Mexico, Texas, Oklahoma, Arkansas, Missouri, Illinois, Indiana, Ohio, western New York, the northwest corner of Vermont and Maine.
17. This will be the first total solar eclipse visible in the continental United States in **38** years.
18. True or False: Everyone in North America will experience the eclipse either partially or totality. **True**
19. The sun is **400** times larger than the moon, and it is also approximately **400** times farther away, making the sun and moon appear the same size during an eclipse.
20. The last total solar eclipse visible from the continental United States was in **1979**.
21. The eclipse will cross the United States from Oregon to South Carolina in **94** minutes.
22. **States** included in the path of the 2017 Great American Eclipse are: Oregon, Idaho, Wyoming, Nebraska, Missouri, Illinois, Kentucky, Tennessee, North Carolina, Georgia, and South Carolina.

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