

## Solar Eclipses Practice Worksheet

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1. Answer the question with **penumbra**, **umbra**, or **eclipse**.  
What is the outer part of the shadow of the moon called?

Answer:

2. Solar eclipses occur when the Moon is in what phase?

- a. New
- b. Crescent
- c. Quarter
- d. Full

3. Complete the sentence using the word **complete**, **partial**, or **proportional**.

If only a portion of the Sun is blocked by the Moon's shadow it is a \_\_\_\_\_ solar eclipse.

Answer:

4. Fill in the blank(s):

The moon passes directly between the sun and Earth during a \_\_\_\_\_ eclipse.

5. During a solar eclipse

- a. The Moon passes directly between the Earth and the Sun
- b. The Sun passes directly between the Earth and Moon
- c. The Earth passes directly between the Sun and Moon
- d. None of the above

6. The plane of Earth's orbit around the Sun is called the:

- a. Solar plane
- b. Eclipse plane
- c. Umbra
- d. Ecliptic

7. A solar eclipse happens when the Sun passes directly between the Earth and the Moon.

- a. TRUE
- b. FALSE

8. During a solar eclipse, the corona and solar prominences can be seen.
  - a. TRUE
  - b. FALSE
  
9. A \_\_\_\_\_ eclipse occurs when the moon casts its shadow across Earth.
  - a. Lunar
  - b. Solar
  
10. During a solar eclipse, what may happen?
  - a. Birds may sing as they do at dusk
  - b. Stars may become visible in the sky
  - c. The temperature may drop
  - d. All of the above

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