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

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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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