Lunar Phases Practice Worksheet

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1. When the Moon is between the Earth and the Sun, a _____ appears.
   a. New moon
   b. Quarter moon
   c. Full moon
   d. Gibbous moon

2. During a new moon, the moon is between _____ and Earth, so the side of the moon facing Earth is in complete shadow.
   a. a Satellite
   b. a spaceship
   c. Mars
   d. the Sun

3. During a _____ moon, Earth is between the sun and moon and the side of the moon facing Earth is fully lit by the sun.
   a. new
   b. full
   c. crescent
   d. gibbous

4. A gibbous moon is closer to a new moon than a full moon.
   a. TRUE
   b. FALSE

5. When the side of the Moon facing the Earth is fully lit, we call it a _____.
   a. full moon
   b. gibbous moon
   c. new moon
   d. crescent moon

6. The Moon undergoes a complete cycle of phases every 28 days.
   a. TRUE
   b. FALSE

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7. The orbit of the Moon around Earth is about:

   a. 25 days
   b. 28 days
   c. 29.5 days
   d. 30 days

8. Select all possible answers:
   Which of the following statements are true?

   a. There is only one crescent moon phase during each cycle
   b. The lit portion is larger during gibbous moons than crescent moons
   c. The duration of the Moon's orbit is identical to the time the Moon takes to complete a cycle of phases
   d. During a quarter moon, we see a half circle

9. During a full moon, the Moon is:

   a. Between the Earth and the Sun
   b. Perpendicular to the ecliptic plane of the Earth
   c. On the far side of the Earth, opposite of the Sun
   d. Reflecting no light from the Sun

10. You can sometimes see a faint image of the Moon during a new moon because:

   a. The Moon emits some of its own light
   b. Sunlight reflects off Earth and hits the Moon
   c. Sunlight reflects off Venus and hits the Moon
   d. None of the above

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