

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

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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