
Exercise A11: Phases of the Moon

Student name: _____ Class: _____ Date: _____

Check the box with the correct answer.

Question 1: How long does it take the Moon to cycle once through all of its phases, a period known as the synodic month?

- a. 27.3 hours
- b. 27.3 days
- c. 29.5 days
- d. One month

Question 2: At what time of day would you expect the New Moon to rise?

- a. Noon
- b. Midnight
- c. Sunset
- d. Sunrise

Question 3: Which side of the Moon do we see illuminated by the Sun during the waxing phase?

- a. East side
- b. West side
- c. Both sides
- d. The Moon is not illuminated at this phase.

Question 4: Select the Moon and use the Info view to determine which of the following statements is correct.

- a. The First Quarter Moon rises close to midday and sets near to midnight.
- b. The First Quarter Moon rises close to midnight and sets near to midday.
- c. The First Quarter Moon cannot be seen in the evening sky.
- d. The First Quarter Moon rises and sets at approximately the same time as the Sun.

Question 5: The Full Moon is opposite the Sun in the sky, and rises as the Sun sets. What is the approximate angular separation of the Sun and the Full Moon?

- a. 180 degrees
- b. 270 degrees
- c. 90 degrees
- d. 360 degrees

Question 6: Which side of the Moon appears illuminated by the Sun during the waning phase?

- a. East side.
- b. West side.
- c. Both sides.
- d. The Moon is not illuminated.

Question 7: Select the Moon and use the Info view to determine which of the following statements is correct. The Last Quarter Moon....

- a. rises near noon and sets near midnight.
- b. rises at about 6am and sets at about 6pm.
- c. rises near midnight and sets near midday.
- d. rises and sets at the same time as the Sun.

Question 8: What phase of the Moon do we see on Earth at this particular position in the Moon's orbit?

- a. First Quarter
- b. New Moon
- c. Full Moon
- d. Last Quarter

Question 9: What is the phase of the Moon now?

- a. First Quarter
- b. New Moon
- c. Waxing Gibbous
- d. Last Quarter

Question 10: What is the phase of the Moon??

- a. First Quarter
- b. New Moon
- c. Waxing Gibbous
- d. Last Quarter

Question 11: What is the phase of the Moon??

- a. First Quarter
- b. New Moon
- c. Waxing Gibbous
- d. Last Quarter