

Lesson Check: Lunar Phases

1) The Moon emits its own light.

- True
- False

2) During waning phases, more of the Moon's near side is seen each night.

- True
- False

3) The phase of the Moon that comes right before the new moon is the _____.

- A)** full moon
- B)** first quarter
- C)** second quarter
- D)** waning crescent

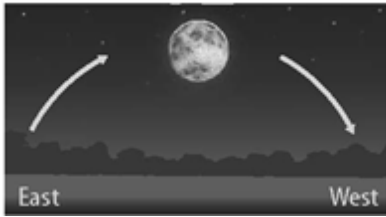
4) Which phase of the moon is shown in this picture of the sky at midnight?



- A)** new moon
- B)** first quarter
- C)** full moon
- D)** third quarter

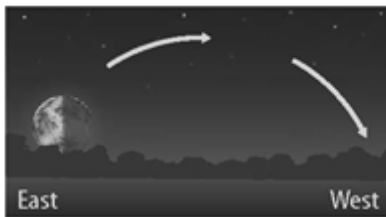
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5) Which phase of the moon is shown in this picture of the sky at midnight?



- A) new moon
- B) first quarter
- C) full moon
- D) third quarter

6) Which phase of the moon is shown in this picture of the sky at midnight?



- A) new moon
- B) first quarter
- C) full moon
- D) third quarter

7) During _____ phases, more of the Moon is visible each night.

- A) waxing
- B) waning
- C) new
- D) full

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8) During which phase is just the western half of the Moon lit?

- A) first quarter
- B) full moon
- C) third quarter
- D) new moon

9) Sally wants to design a model that will show how the Earth-Sun-Moon system causes the Moon's phases. She has a lamp, a tennis ball, and a cotton ball. Sally decides to set the lit lamp on a table to represent the Sun.

How can Sally use the tennis ball and cotton ball to represent the new moon phase?


- A) She can place the tennis ball, representing Earth, and the cotton ball, representing the Moon, on opposite sides of the lamp.
- B) She can hold the tennis ball, representing the Moon, and the cotton ball, representing Earth, in the same hand and move them in a circle around the lamp.
- C) She can hold the tennis ball, representing Earth, in one hand within the lamp's light and hold the cotton ball, representing the Moon, in her other hand between the lamp and the tennis ball.
- D) She can hold the tennis ball, representing the Moon, in her right hand and the cotton ball, representing Earth, in her left hand within the lamp's light. Then she can have someone else turn the lamp on and off repeatedly.

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10) a) Sequence the Moon's phases in order, beginning with the new moon phase.



b) What is the relationship between Moon phases and the relative positions of the Sun, the Moon, and Earth?



Student Name: _____

Date: _____

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