

Name: \_\_\_\_\_

## Lunar Phase Simulator – Assessment Questions

Question 1: The moon depicted here is what phase.

- a) waxing crescent
- b) first quarter
- c) waxing gibbous
- d) waning gibbous
- e) third quarter

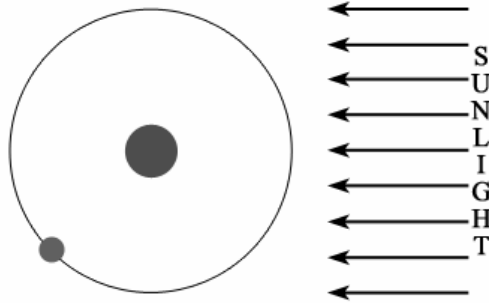


Question 2: If the moon is illuminated on the left-hand side it is...

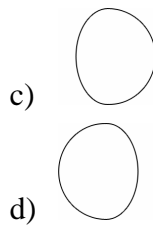
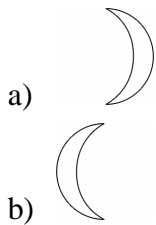
- a) waxing.
- b) waning.

Question 3: During the first quarter phase, how much of the face of the moon *that we see* is illuminated by the sun?

- a) 0%
- b) 25%
- c) 50%
- d) 75%
- e) 100%



Question 4: What is the phase of the moon depicted above? [randomize over they four selections below]



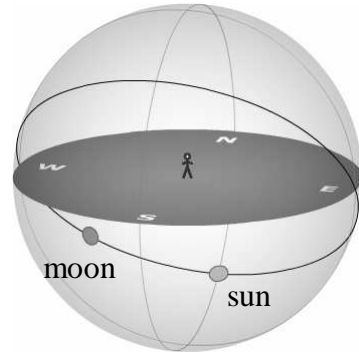
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Question 5: What time of day is the new moon highest?

- a) 12 AM
- b) 6 AM
- c) 12 PM
- d) 6 PM

Question 6: Is the moon in the figure to the right currently visible to the observer?

- a) yes
- b) no

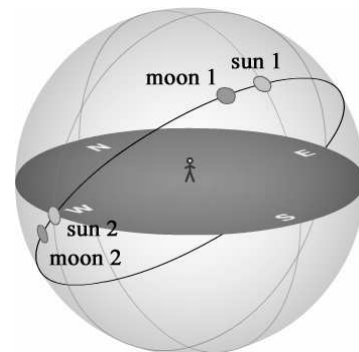


Question 7: Which of the following best estimate the time period between new moon and new moon?

- a) 7 days
- b) 14 days
- c) 28 days
- d) 30 days

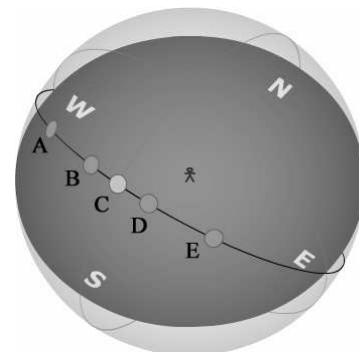
Question 8: Approximately how much time has elapsed between moon 1 and moon 2 in the figure above?

- a) 3 hours
- b) 6 hours
- c) 1 day
- d) 4 days
- e) 7 days
- f) 14 days



Question 9: Relative to a new moon at noon, what was the moon's position 3 days earlier?

- a) A
- b) B
- c) C
- d) D
- e) E



Question 10: For a lunar eclipse (the moon is obscured from view), which phase is necessary?

- a) new moon
- b) first quarter
- c) full moon
- d) third quarter