

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
- f) waning crescent

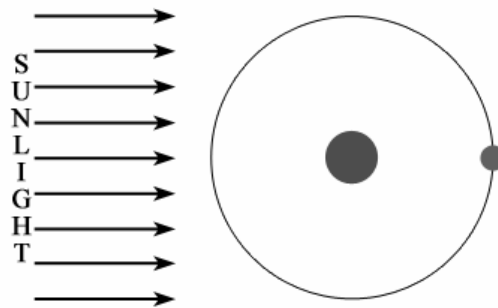


Question 2: If a moon is between 50% and 100% illuminated it is a...

- a) crescent moon.
- b) gibbous moon.
- c) new moon.
- d) full moon.

Question 3: During a new moon what percent of the moon's entire surface (irrespective of how much we can 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?

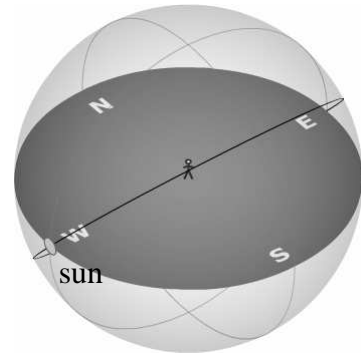
- a) new
- b) first quarter
- c) third quarter
- d) full

Question 5: If the moon is at its highest point at 12 AM...

- a) it rose at about 6 AM and will set at about 6 PM.
- b) it rose at about 6 PM and will at about 6 AM.
- c) it did not rise earlier, it was always in the observer's sky that day.
- d) it rose earlier at 12 PM and will set the following 12 PM.

Question 6: What is the time of day depicted in the figure to the right?

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

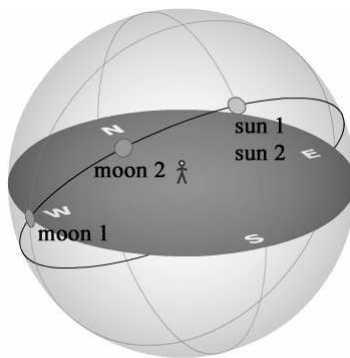


Question 7: If it is noon and a new moon for a particular observer a second observer on the opposite of the earth

- a) will see a full moon.
- b) will see a new moon.
- c) won't see any moon in the sky at all.

Question 8: During the course of an evening...

- a) the moon basically stays at the same phase.
- b) the moon will go through 2 phases.
- c) the moon will go through 3 phases.
- d) the moon will go through all 8 phases.



Question 9: 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 10: Over the course of a month, about how much of the moon's surface can be photographed?

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