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]
   a)
   b)
   c)
   d)
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