

ASTRONOMY 101A (Fall Semester 2002)

LUNAR PHASES, PART I SELF-QUIZ

Try and see if you can answer these questions. A solution key will be posted, although I highly suggest you do the quiz before the solution key is posted to see if you understand the material.

1. If the Moon was New Moon last Wednesday, what phase will it be this coming Wednesday (two weeks later)?
2. For which phase(s) can the Earth, Sun, and Moon be in a straight line?
3. During which phase of the moon can a solar eclipse occur?
4. During which phase of the moon can a lunar eclipse occur?
5. Which of the following phases occurs soonest after a waxing gibbous moon?
 - a) New moon
 - b) 1st Quarter
 - c) Full moon
 - d) 3rd Quarter
 - e) Any phase could immediately follow a waxing gibbous moon.
6. Explain in your own words why we see the phases of the moon we see. In the process, specifically explain why the phases of the moon can NOT be due to the shadow of the Earth hitting the moon.