

In-class activity 4

Assemble Your Group

1. Find your assigned group members, and sign in below.

Team member: _____

Team member: _____

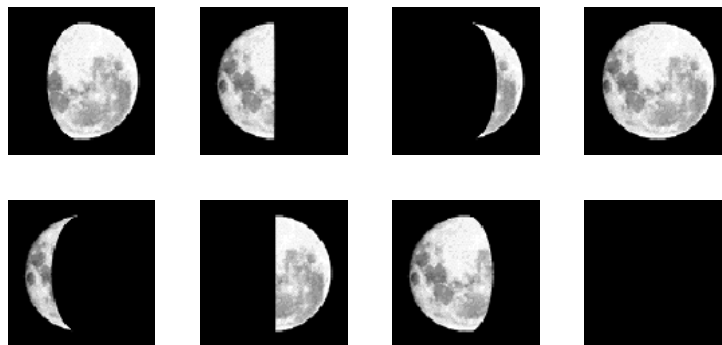
Team member: _____

Team member: _____

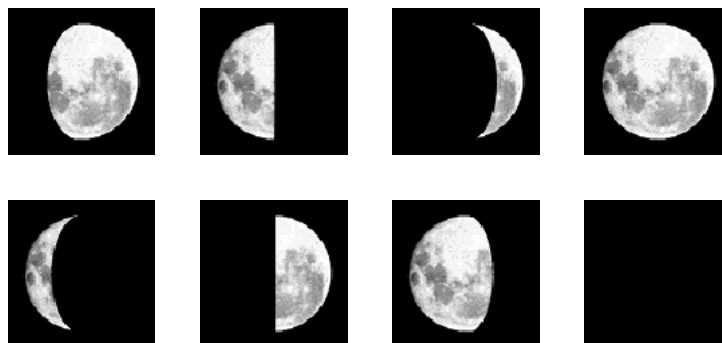
Full Moon Madness

2. Cf. Seeds and Backman, *ASTRO3*, Brooks/Cole Cengage Learning (2018), p. 26, Fig. 2.
Answer the questions below by circling your answers.

- (a) If the moon is full when it rises tonight, circle the phase below that it will have when it sets approximately 12 hours later.



- (b) If the moon is full when it rises tonight, circle the phase below that it will have exactly one week later.



Moon Phases and Rise/Meridian/Set Times

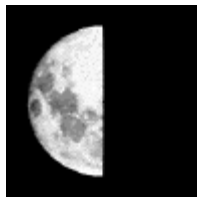
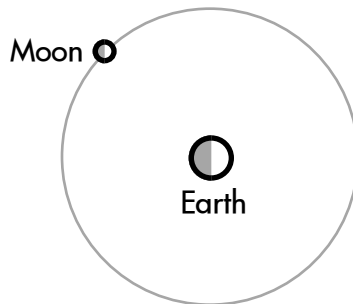
3. For each of the four phases shown below, draw the position of the moon in its orbit around Earth, and then fill in the approximate times that it would rise, be at its highest point in the sky (*i.e.*, on the meridian), and set.

- A. 12:00 PM (noon)
- B. 3:00 PM (afternoon)
- C. 6:00 PM (sunset)
- D. 9:00 PM (evening)

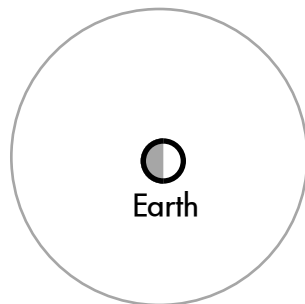
- E. 12:00 AM (midnight)
- F. 3:00 AM (wee hours)
- G. 6:00 AM (sunrise)
- H. 9:00 AM (morning)



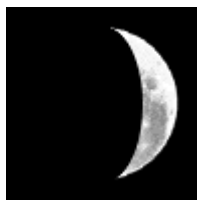
Moonrise: (B)
 Highest:
 Moonset:



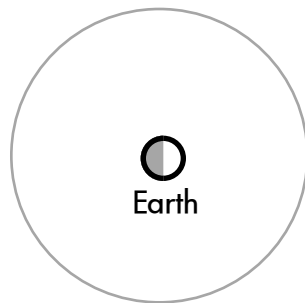
Moonrise:
 Highest:
 Moonset:



Position of moon?



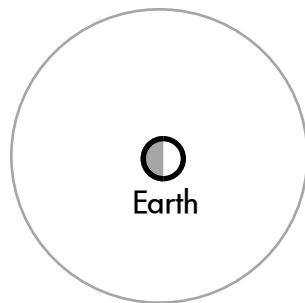
Moonrise: (H)
 Highest:
 Moonset:



Position of moon?



Moonrise:
 Highest:
 Moonset:



Position of moon?

