
Exercise A12: Lunar and Solar Eclipses

Student name: _____ Class: _____ Date: _____

Check the box with the correct answer.

Question 1: An eclipse (lunar in this case) is not possible at this time because

- a. the Moon is not near a node.
- b. the line of nodes is facing towards the Sun.
- c. the line of nodes is in a direction away from the Sun.
- d. the Earth is not on the line of nodes.

Question 2: What is the phase of the Moon during a solar eclipse? *Hint: Zoom in for a closer view of the Moon.*

- a. Full Moon
- b. Crescent Moon
- c. New Moon
- d. Gibbous Moon

Question 3: What is the phase of the Moon during a lunar eclipse?

- a. Full Moon
- b. Crescent Moon
- c. New Moon
- d. Gibbous Moon

Question 4: The lunar eclipse of June 26, 2010 is only partial because

- a. the Moon is not full.
- b. the Moon crosses only the penumbra and does not enter the umbra.
- c. the Moon is not close enough to a node in its orbit.
- d. part of the eclipse occurs in daylight.

Question 5: The date of this total solar eclipse is:

- a. July 20
- b. July 22
- c. July 29
- d. July 17

Question 6: Which one of the following statements about this eclipse is correct?

- a. The eclipse will be total as seen from Rome.
- b. People in Cape Town will see a partial eclipse.
- c. More of the Earth's surface will experience a partial eclipse than a total eclipse.
- d. North America will see the eclipse about 12 hours later.