

Astronomy Unit 4

Name: _____

Period: _____ Date: _____

Homework

- This homework is due at the end of the unit.
- Write the letter of the correct answer in the blank to the left of the question.

_____ 1. The part of Earth's shadow that does not receive the direct rays of the sun is referred to as...

- A. the penumbra.
- B. the pencilumbra.
- C. the umbra.
- D. the umbrella.

_____ 2. A solar eclipse is possible during which lunar phase?

- A. 1st quarter
- B. full
- C. 3rd quarter
- D. new

_____ 3. A lunar eclipse is possible during which lunar phase?

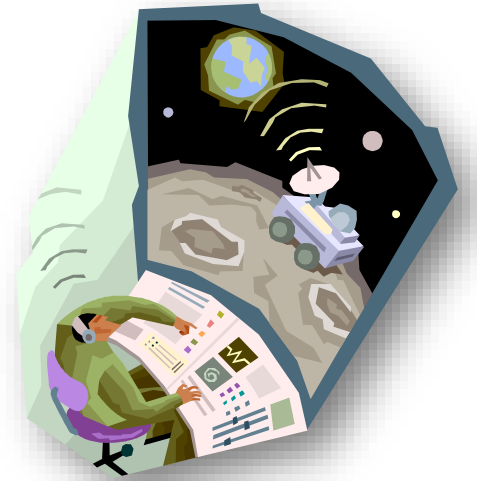
- A. 1st quarter
- B. full
- C. 3rd quarter
- D. new

_____ 4. Because the moon moves _____ around Earth, the sun will appear to be eclipsed as the moon moves _____ across the sun's surface.

- A. clockwise, east-to-west
- B. clockwise, west-to-east
- C. counterclockwise, east-to-west
- D. counterclockwise, west-to-east

_____ 5. An annular eclipse of the sun will take place when _____ is on a node.

- A. an apogee new moon
- B. an apogee full moon
- C. a perigee new moon
- D. a perigee full moon



_____ 6. The moon will enter Earth's umbral shadow from the general direction of _____ making the moon dark from _____.

- A. east-to-west, left-to-right.
- B. east-to-west, right-to-left.
- C. west-to-east, left-to-right.
- D. west-to-east, right-to-left.

_____ 7. A partial lunar eclipse takes place when the moon moves...

- A. through the penumbra.
- B. through the part of the umbra but above or below its center.
- C. fully through the umbra.

_____ 8. The reddish color of the moon during the total phase of a lunar eclipse is due to...

- A. light refracted by Earth's atmosphere.
- B. light reflected by Earth's atmosphere.
- C. Earthshine.
- D. the color of the lunar surface.

_____ 9. When the left (east) side of the moon is dark during a lunar eclipse, the moon is in...

- A. first contact
- B. second contact
- C. third contact
- D. fourth contact
- E. I need new contacts.

_____ 10. Penumbral lunar eclipses look...

- A. reddish.
- B. partly dark, partly light.
- C. partly red, partly blue.
- D. like a normal moon.
- E. like Tyra Banks.

_____ 11. During the diamond ring subphase of second contact during a solar eclipse, the "diamond" appears on the _____ side of the sun.

- A. west
- B. south
- C. east
- D. north