Name _____

Moon Phases Pre-Test

1. The moon can sometimes be seen at the same time the sun is out. **T** or **F**?

2. If I see a full moon one evening, a person living in Hawaii thousands of miles away will also see a full moon that same evening. **T** of **F**

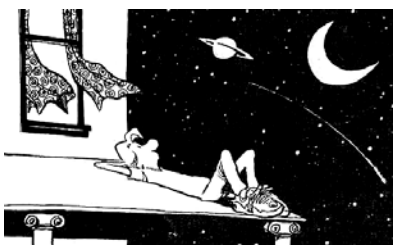
3. During a full moon, how much of the entire sphere of the moon is lit up?
   a. Half of the sphere. b. A quarter of the sphere. c. The entire sphere is lit up.

4. During a quarter moon, how much of the entire sphere of the moon is lit up?
   a. Half of the sphere. b. A quarter of the sphere. c. The entire sphere is lit up.

5. If you looked at the earth-moon system from above the North Pole, which direction would the moon be orbiting. (If it helps you draw a picture, do so in the space below).
   a. Clockwise b. Counterclockwise

6. In the space below make a diagram that illustrates the relative positions of the sun, earth, and moon during a full moon.

7. Check out the moon shown in the cartoon below. Approximately what time of the day is it (give me an hour, like 9:00 PM or 1:00 AM? How do you know?



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Name _____

Moon Phases Post-Test

8. The moon can sometimes be seen at the same time the sun is out. **T** or **F**?

9. If I see a full moon one evening, a person living in Hawaii thousands of miles away will also see a full moon that same evening. **T** of **F**

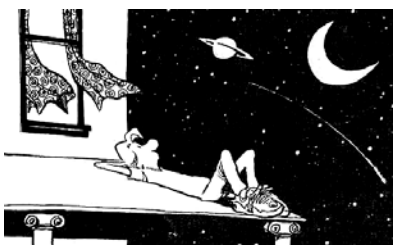
10. During a full moon, how much of the entire sphere of the moon is lit up?
    a. Half of the sphere. b. A quarter of the sphere. c. The entire sphere is lit up.

11. During a quarter moon, how much of the entire sphere of the moon is lit up?
    a. Half of the sphere. b. A quarter of the sphere. c. The entire sphere is lit up.

12. If you looked at the earth-moon system from above the North Pole, which direction would the moon be orbiting. (If it helps you draw a picture, do so in the space below).
    a. Clockwise b. Counterclockwise

13. In the space below make a diagram that illustrates the relative positions of the sun, earth, and moon during a full moon.

14. Check out the moon shown in the cartoon below. Approximately what time of the day is it (give me an hour, like 9:00 PM or 1:00 AM? How do you know?



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