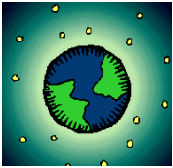


# ASTRONOMY



Name: \_\_\_\_\_

Date: \_\_\_\_\_ Section: \_\_\_\_\_ HR: \_\_\_\_\_

## Explore Learning: Moon Phase Gizmo

### Assessment Questions

1. The diagram below shows a view of Earth from above the North Pole. What time of day would it be for a person at the position indicated by the arrow?



- A. Sunrise
- B. Midday (noon)
- C. Sunset
- D. Midnight

2. A person at the location indicated by the green arrow looks into the sky, looking for the Moon. What will the person observe?



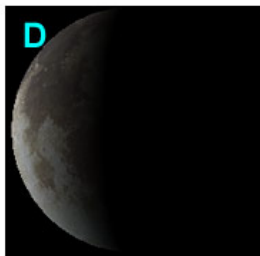
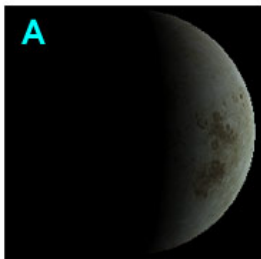
- A. The Moon in a phase between the New Moon and the First Quarter
- B. A Full Moon
- C. The Moon in Third Quarter
- D. The Moon cannot be seen from the position indicated by the arrow

3. When the Moon is positioned as shown in the diagram below, what phase of the Moon would an observer on Earth see?



- A. New Moon
- B. First Quarter
- C. Full Moon
- D. Third Quarter

4. What would the Moon look like to an observer on Earth when it is positioned as shown in the diagram below? (Assume that the observer can see the Moon.)



- A. image A
- B. image B
- C. image C
- D. image D

5. When the Moon is positioned as shown in the diagram below, at what times of day do Moonrise and Moonset occur? The diagram shows Earth from above the North Pole.



- A. Moonrise occurs at midday. Moonset occurs at the same time as sunset.
- B. Moonrise occurs in the late afternoon, before sunset. Moonset occurs early in the morning, before sunrise.
- C. Moonrise occurs at about midnight. Moonset occurs at about midday.
- D. Moonrise occurs at about the same time as sunrise. Moonset occurs at about the same time as sunset.