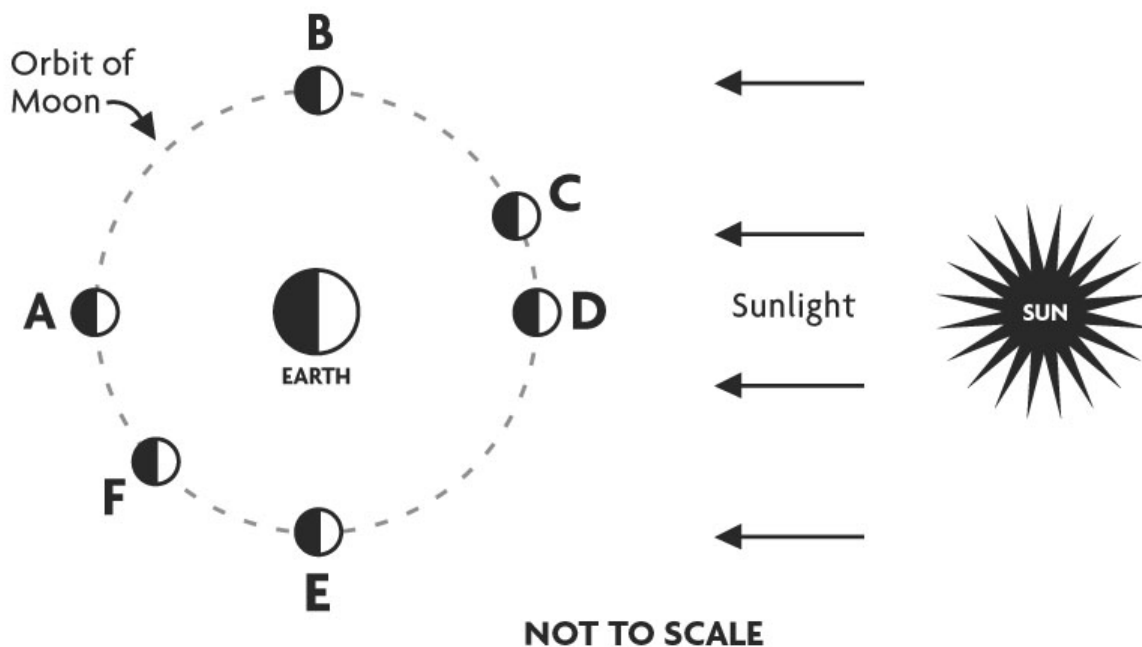


## Astronomy Ranking Task: Phases of the Moon

### Exercise #2

**Description:** The figure below shows a “top view” of the Sun, Earth and six different positions (A - F) of the Moon during one orbit of Earth. Note that the distances shown for the Sun to Earth and for Earth to the Moon are not drawn to scale.



**Ranking Instructions:** Rank (from greatest to least) the amount of the Moon’s illuminated surface that is visible from Earth at each of the six positions (A – F) shown.

**Ranking Order:** Greatest 1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ Least

Or, the amount of the Moon’s illuminated surface visible from Earth is the same in all positions.  
 \_\_\_ (indicate with check mark).

**Carefully explain** your reasoning for ranking this way:

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