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 around 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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