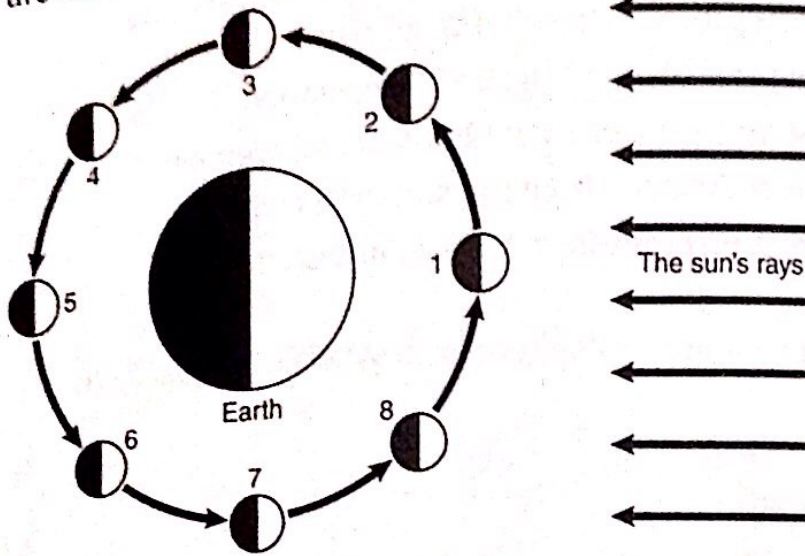




5 Although half of the moon is always illuminated, usually only a portion of the illuminated side is visible from Earth. The diagram below presents the relative positions of Earth, the sun, and the moon. The positions of the moon are labeled 1-8.



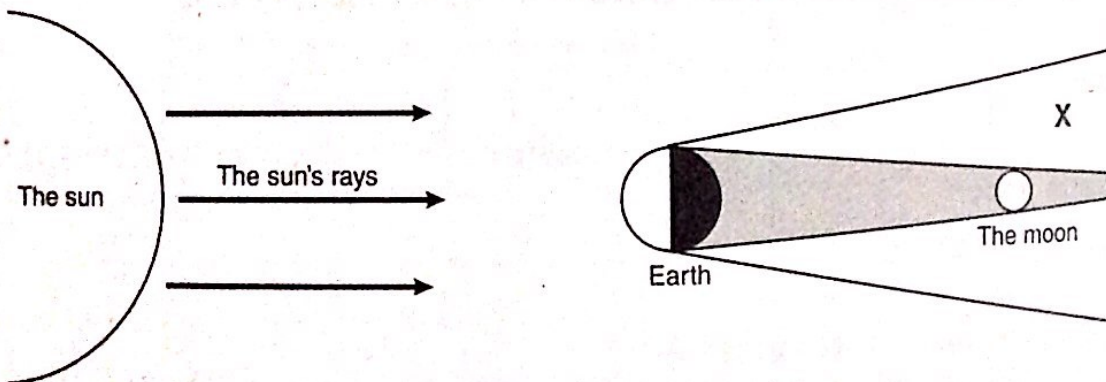
Which of the moons in the figure are in a GIBBOUS PHASE?

- A. 2 and 4
- B. 2 and 8
- C. 4 and 6
- D. 6 and 8

6 Eclipses are predictable solar system events. The answer choices below list relative positions of Earth, the sun, and the moon. Which list represents the position of Earth, the sun, and the moon during a LUNAR ECLIPSE?

- A. sun, Earth, moon
- B. Earth, sun, moon
- C. sun, moon, Earth
- D. moon, sun, Earth

7 The diagram below shows what happens during a solar system event.



(Not to scale)

Which part of the diagram is labeled Y?

- A. the umbra
- B. the eclipse
- C. the satellite
- D. the penumbra