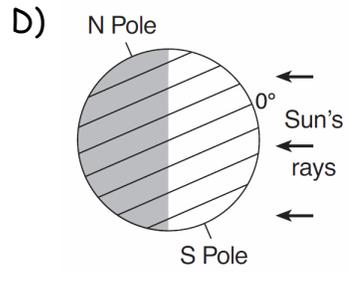
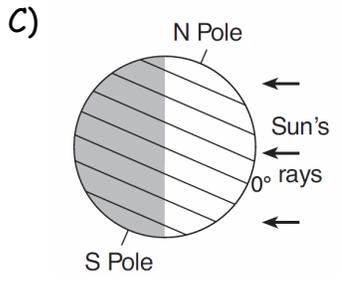
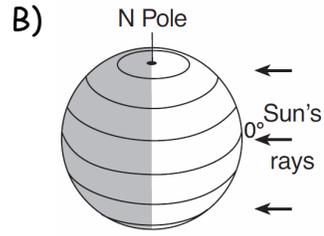
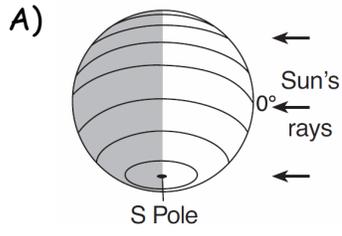
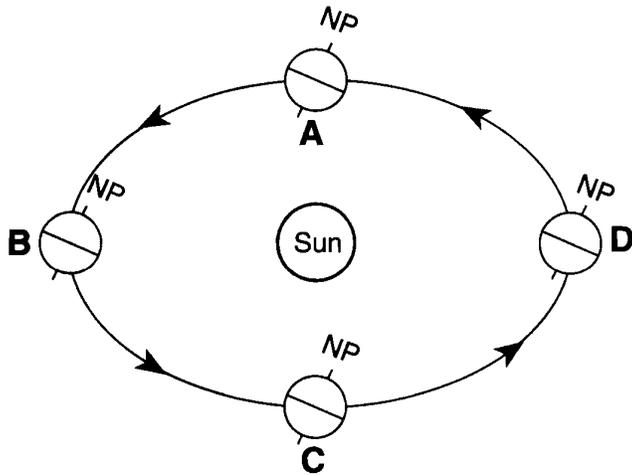


1. Which diagram represents the tilt of Earth's axis relative to the Sun's rays on December 15?



Class Practice

Base your answers to questions 2 and 3 on the diagram below, which represents Earth revolving around the Sun. Letters A, B, C, and D represent Earth's location in its orbit on the first day of the four seasons. NP represents the North Pole.

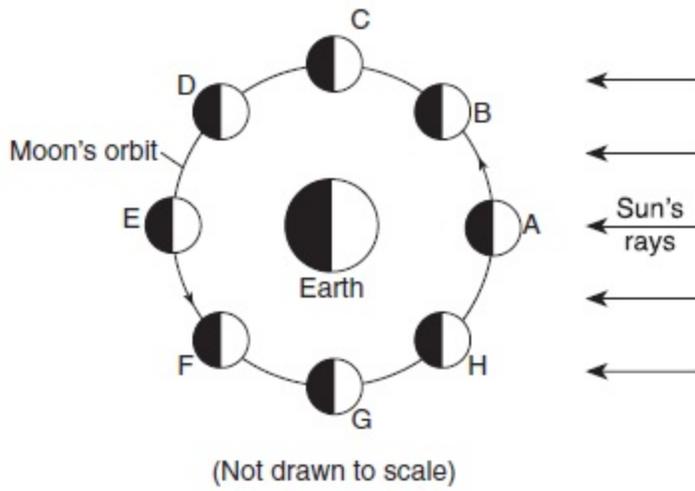


(Not drawn to scale)

- If the tilt of Earth's axis were decreased from 23.5° to 15° , New York State's winters would become
 - warmer, and summers would become cooler
 - warmer, and summers would become warmer
 - cooler, and summers would become cooler
 - cooler, and summers would become warmer
- Which location in Earth's orbit represents the first day of summer in New York State?
 - A
 - B
 - C
 - D

Class Practice

4. Base your answer to the following question on the diagram below and on your knowledge of Earth science. The diagram represents the Moon in eight positions, A through H, in its orbit around Earth.

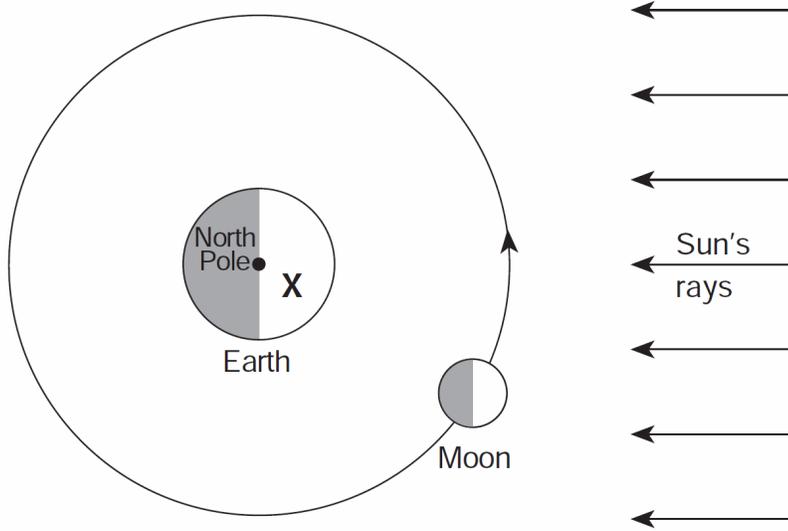


Which Moon phase is observed in New York State when the Moon is located at position F?

- A)
- B)
- C)
- D)

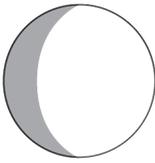
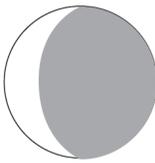
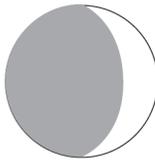
Class Practice

5. The diagram below shows the Moon at one position in its orbit around Earth. Letter X indicates the location of an observer in New York State.



(Not drawn to scale)

Which phase of the Moon will the observer see when the Moon is at the position shown in its orbit?

- A)  B)  C)  D) 