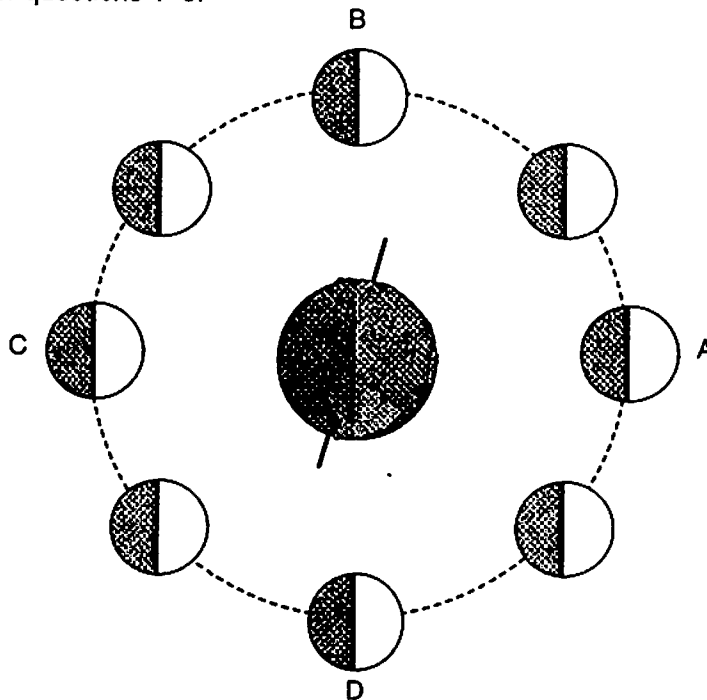


Assessment — Moon Phases

Choose the best answer for each question.

Use the diagram to answer questions 1–3.



- 1 Based on the diagram, where is the Sun located?
  - A At the top of the diagram
  - B At the left of the diagram
  - C At the bottom of the diagram
  - D At the right of the diagram
  
- 2 What moon phase is observed when the Moon is at Location C?
  - F New moon
  - G Crescent moon
  - H Quarter moon
  - J Full moon

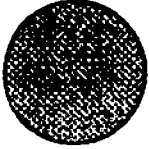


**UNIT 4: Earth and Space, Part 1**, RM 45 continued  
Lesson 7: Moon Phases

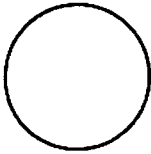
---

3 How would the Moon appear from Earth at Location D?

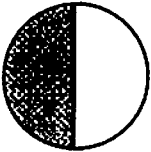
A



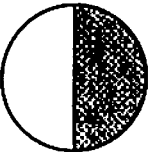
B



C



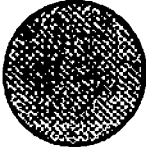
D



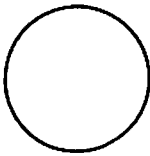
- 4 The main reason we can see the Moon is because —
- F sunlight reflects off its surface and travels to Earth
  - G it releases light energy during chemical changes
  - H we have telescopes to make observations
  - J Earth's axis is tilted  $23.5^\circ$
- 5 What holds the Moon in orbit around Earth?
- A The gravity of the Moon
  - B The inertia of the Sun
  - C The gravity of the Sun and Earth
  - D The inertia of Earth

6 Which diagram best represents a new moon?

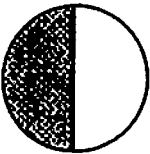
F



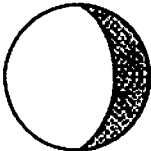
G



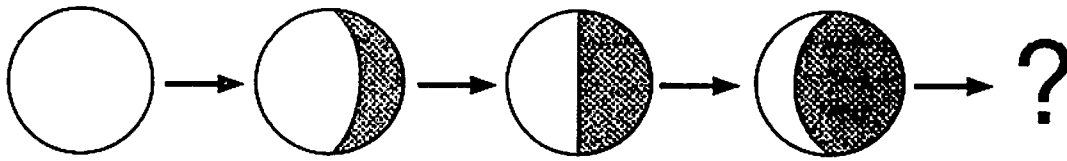
H



J



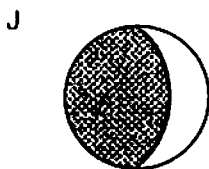
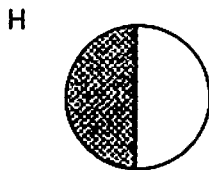
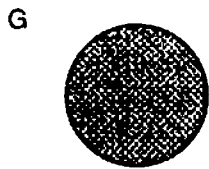
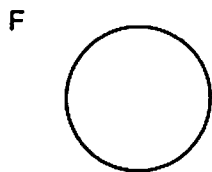
Use the diagram to answer questions 7-8.



7 Which word best describes the changes in the Moon's appearance during the sequence above?

- A Gibbous
- B Waning
- C Crescent
- D Waxing

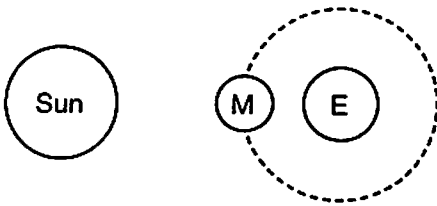
8 Which diagram best represents the next phase that will occur in the sequence?



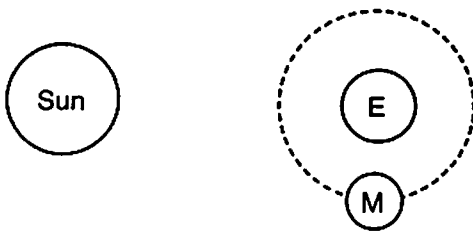
- 
- 9 The revolution of the Moon around Earth takes about
- A 1 day
  - B 1 week
  - C 1 month
  - D 1 year
- 10 Approximately how long does it take for the Moon to go from new moon to full moon?
- F 1 day
  - G 6–8 days
  - H About 2 weeks
  - J About 1 month

11 Which of these shows the position of the Sun, Moon, and Earth when a full moon phase occurs?

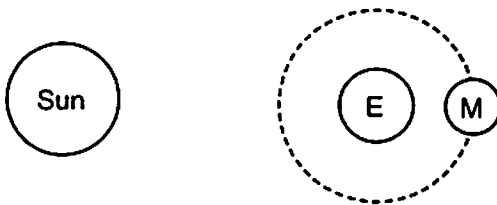
A



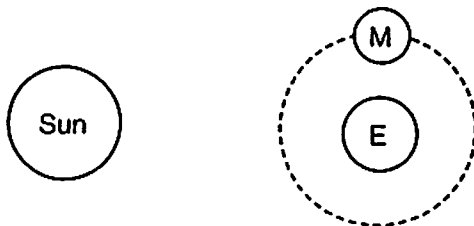
B



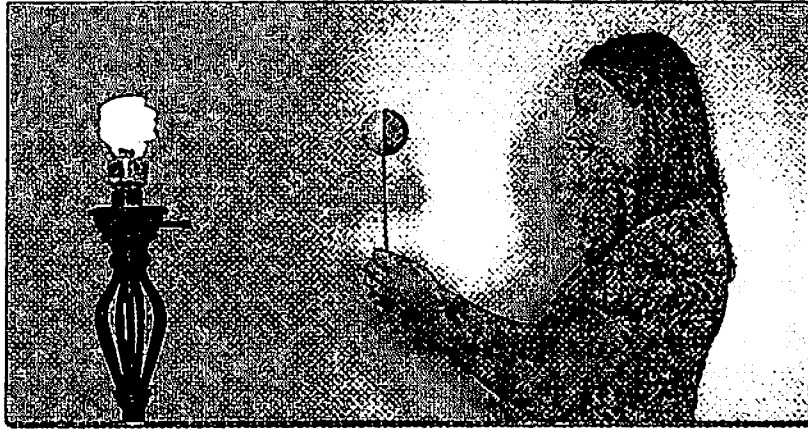
C



D



- 12 A student is conducting an investigation using the setup pictured to observe the phases of the Moon. Which of the following is a limitation of the model?



- F The distance between the objects is inaccurate.
- G The phases of the Moon can be observed as from Earth.
- H The student cannot rotate as Earth would.
- J The Moon rotates so the dark side of the Moon is not observed.