

Moving Shadows Discussion Questions



1. Describe what happened to the gnomon's shadow over the course of the time you observed it.

2. What time was the shadow the longest? What time was it the shortest?

3. What did the Sun do in the sky from the start to the end of your observations? Describe its movement.

Thought questions for consideration as a transition to the *explain* experiences:

7. You may have heard that the Sun doesn't really move across the sky; rather, the Earth is spinning and making the Sun appear to move across the sky. From your viewpoint, is the Earth spinning toward the east or toward the west?

8. If you were in outer space above the North Pole looking down on the Earth, would you see Earth spinning clockwise or counterclockwise?