

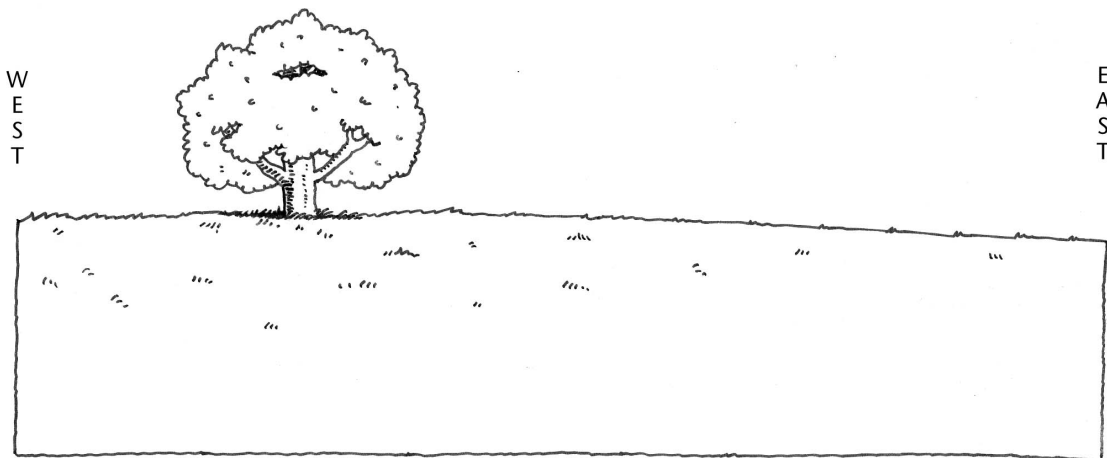
Sun and Shadow

The Sun's Daily Pattern Cluster (Lessons 1-3, 6-7)

TEACHER NOTE:

Use this assessment after teaching Lesson 7.

1. On the picture below, draw the path the sun seems to travel across the sky during the day.



EVALUATION GUIDELINES:

- Children's drawings should reflect the sun traveling in an arc over the picture.
 - Children might also indicate that the sun travels from east to west.
2. Explain why the sun seems to travel across the sky during the day.

Earth rotates, so to someone on Earth, it looks like the sun travels across the sky.
 3. Look at the tree in the picture above and imagine it has a shadow. Explain how the tree's shadow is created.
 - The tree blocks the light that is traveling from the sun to Earth.
 - Children might also indicate that light from the sun travels in a straight path.

The Sun's Daily Pattern Cluster

Quick Check Items

TEACHER NOTE: The following questions relate to The Sun's Daily Pattern cluster. Use them after teaching the entire cluster, or select the applicable questions immediately following each lesson. You can also compile Quick Check items into an end-of-unit assessment.

1. (Lesson 2) What does the sun (or sunlight) do for Earth?
 - a. It provides water and food for Earth.
 - b. It provides water and light for Earth.
 - c. *It provides heat and light for Earth.*

2. (Lesson 2) What is made when an object blocks the sun's light as it travels to Earth?
 - a. the moon
 - b. light
 - c. *a shadow*

3. (Lessons 3 and 4) Which sentence **best** describes the sun's position during the day?
 - a. The sun seems to travel straight up and down during the day.
 - b. *The sun seems to travel in an arc across the sky from east to west during the day.*
 - c. The sun does not seem to move during the day.

4. (Lesson 7) True or False? If false, rewrite the statement to make it true.
Earth rotates on its axis. _____ *true*

5. (Lesson 7) Daytime and nighttime are caused by:
- a. the sun's rotation
 - b. *the earth's rotation*
 - c. the moon's rotation