

Observe Shadows

Steps

1. Go outdoors. Place a large sheet of paper on the ground. Make an X in the center of it.

2. **Observe** Hold the ruler as shown in your book. Trace its shadow. Write the time you traced the shadow.

3. Put an arrow on your drawing to show where the Sun is in the sky. **Safety:** Do not look right at the Sun!

4. Repeat steps 2 and 3 two more times during the day. On the lines below, write what time it is when you trace the shadows.

Think and Share

1. How did the length and position of the shadow change during the day?

2. **Infer** What caused the shadow to change?

Investigate More!

Work Together Work with a partner. Use a flashlight and different objects to make shadows. Discuss what materials make shadows. Tell how the shadows change.