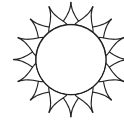
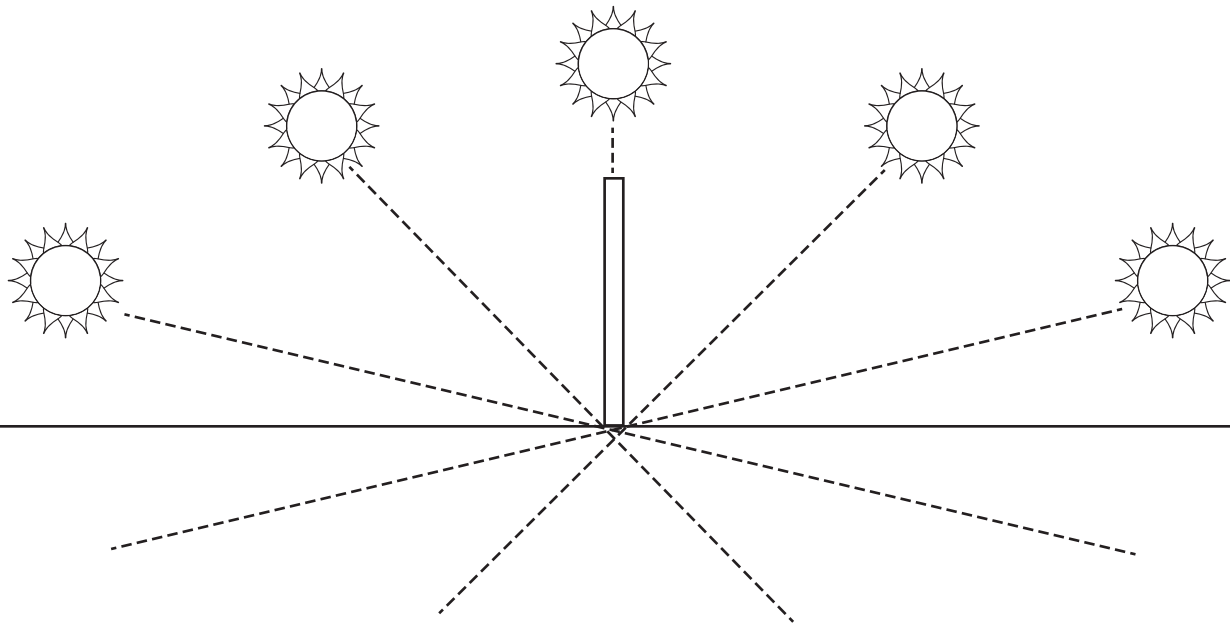


A shadow will be formed when light shines on a solid object. The object blocks some of the light. The blocked area will be darker. We call this area a shadow.



You will see shadows outside on a sunny day. The direction and size of shadows will change during the day when the Sun is in different positions in the sky.

Draw in the shadows of the pole to line up with the Sun in different positions in the sky.



Shadows are longest when the sun is low in the sky, near sunrise and sunset. Shadows are shortest when the sun is high in the sky around noon.

Answer these questions:

What happens to the shadow when the Sun is directly above the object ?

\_\_\_\_\_

What happens to the shadow when the Sun is low in the sky?

\_\_\_\_\_

If your shadow is in front of you, where is the Sun?

\_\_\_\_\_

Will your shadow be long or short in the early morning?

\_\_\_\_\_