

Light and Shadow

Learning Objective:

To investigate how the size of shadows change during the day.

NEXT



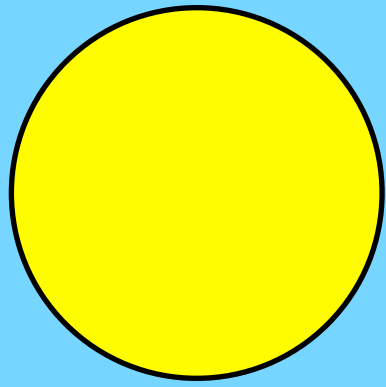
What can you
remember about
shadows?

Name three facts
with a partner!



BACK

NEXT

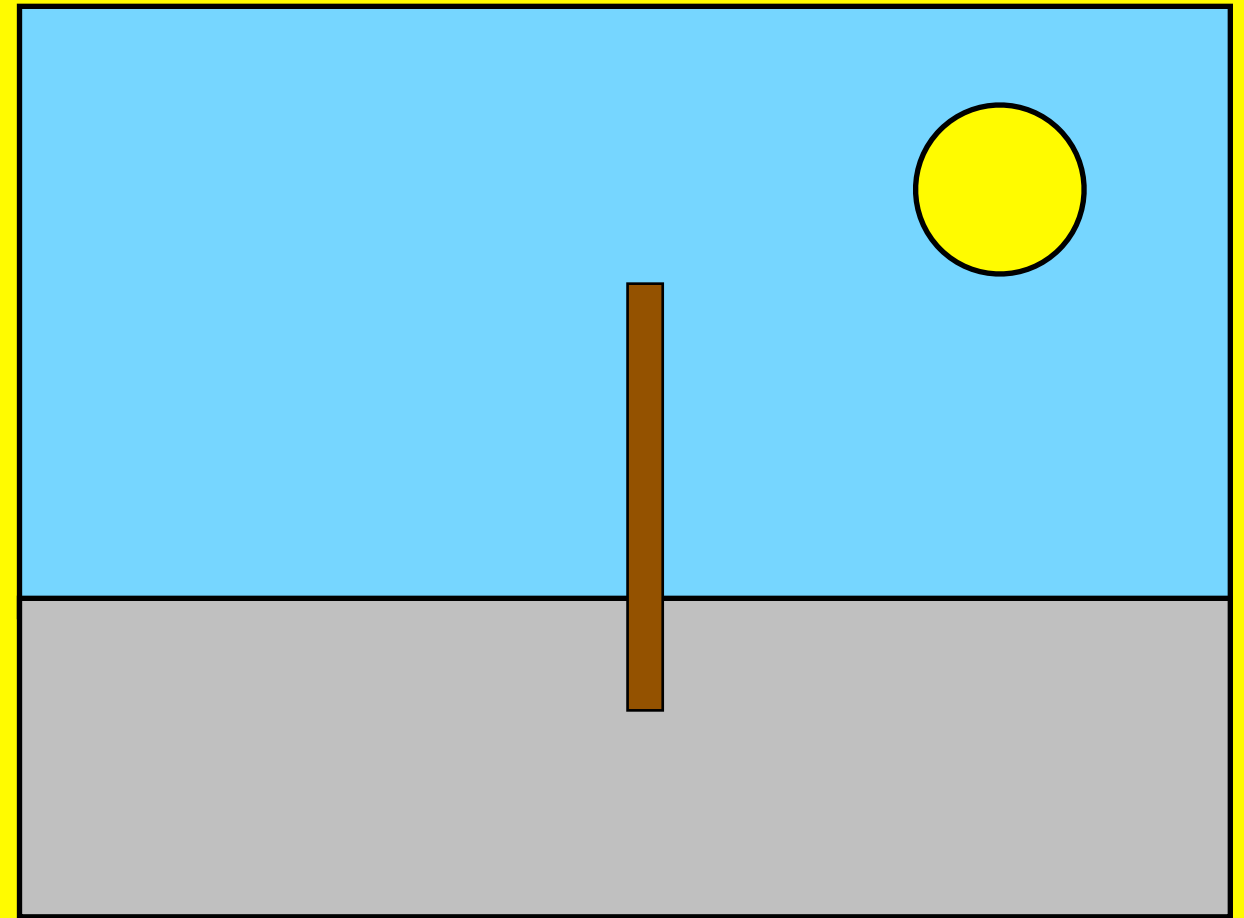
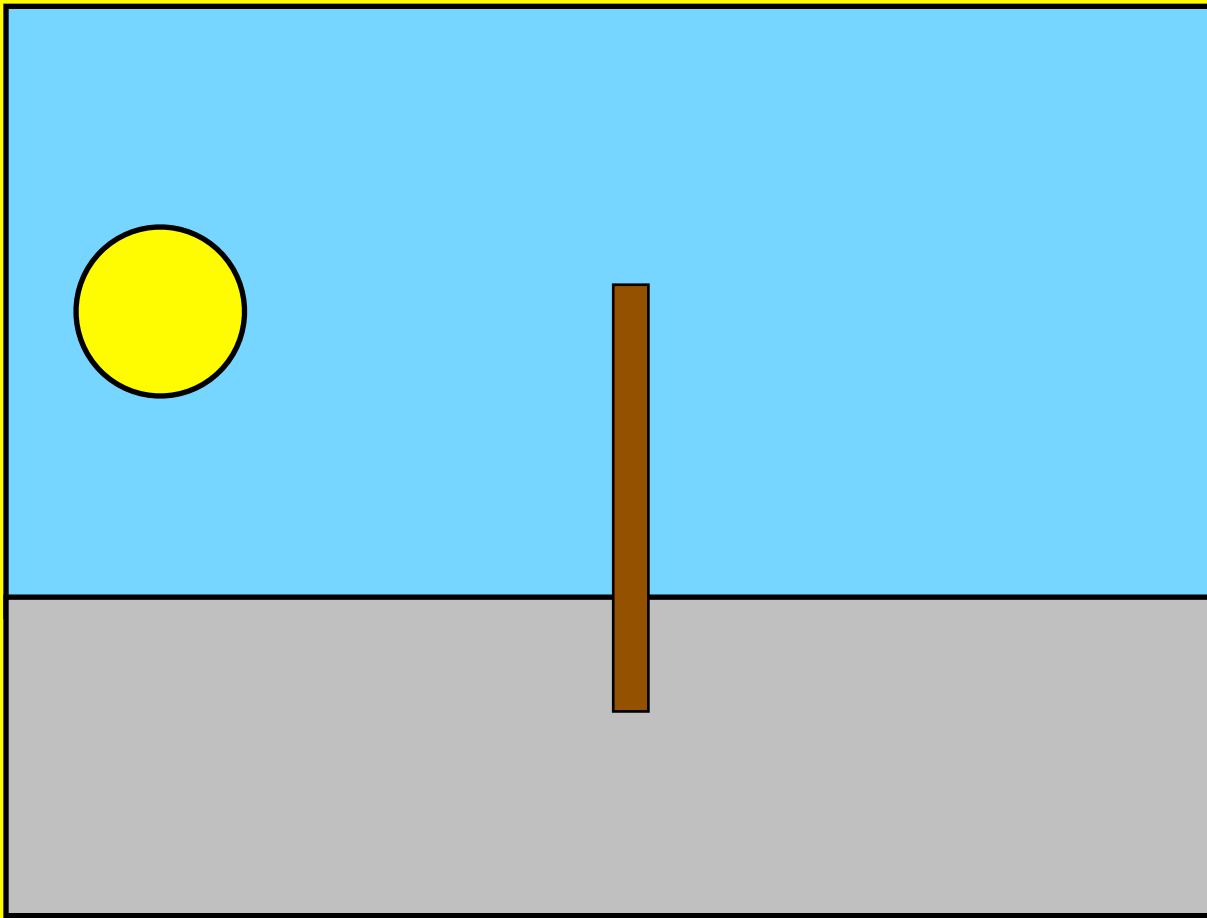


Can you
explain what
is happening
in this
picture?



BACK

NEXT



These diagrams show the Sun at two different times of the day. Do you think the shadow would stay the same for each one? Why or why not?



BACK

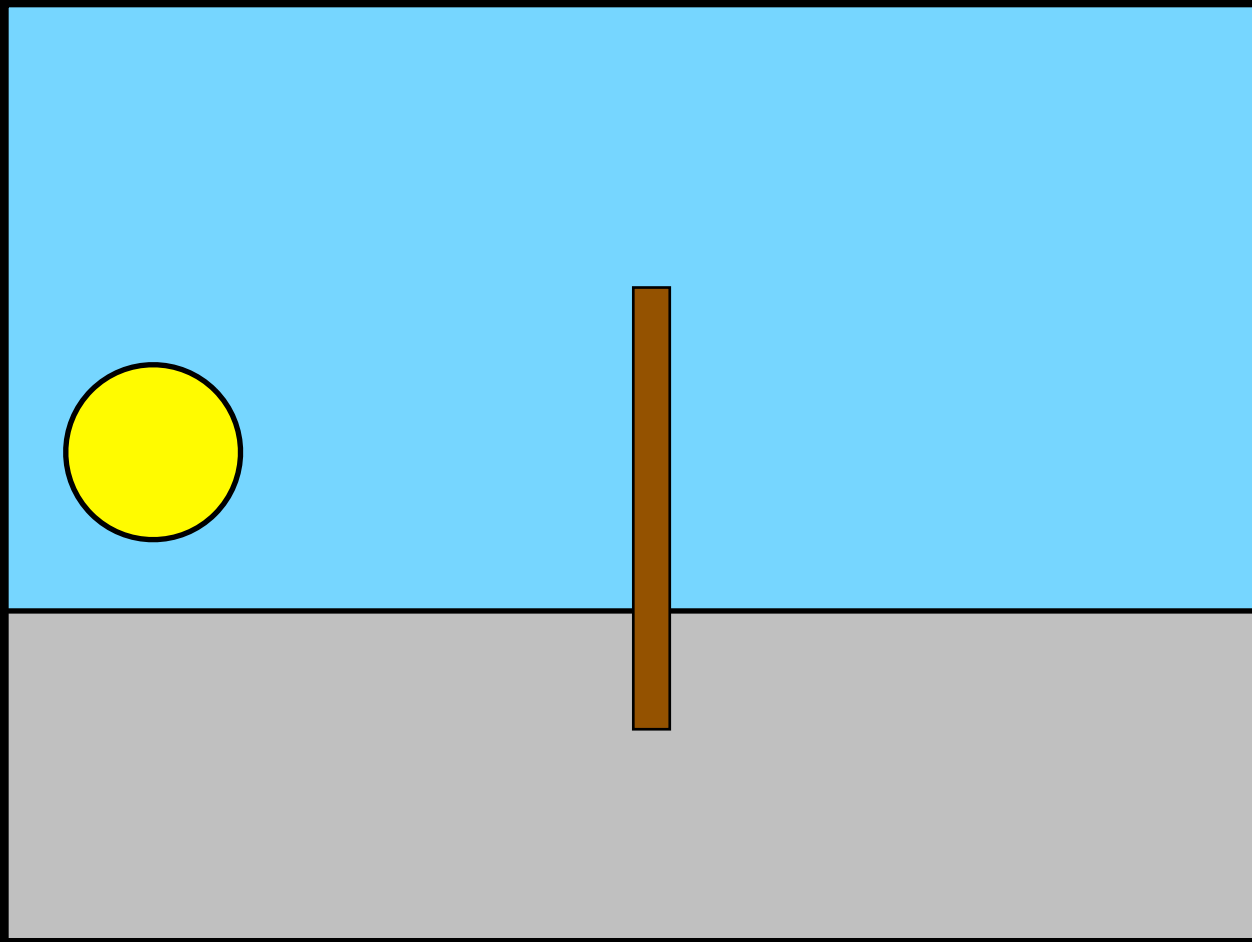
NEXT



Today we will be exploring what happens to shadows cast by the Sun throughout the day. How do you think we could do this?

BACK

NEXT



Here is one way you can investigate shadows throughout the day...



- * Set up a shadow stick in the playground. A metre ruler set into a pot or wedged between bricks makes a good shadow stick.
- * Draw around the shadow cast by the stick with chalk. Do this in the morning and mark which time you draw around the shadow.

BACK

NEXT

- * Check the shadow at various times during the day. Each time, draw around the shadow and mark what time you did this.
- * By the end of the afternoon, you should be able to see what has happened.



What do you predict
will happen to the
shadows throughout
the day?

BACK

NEXT