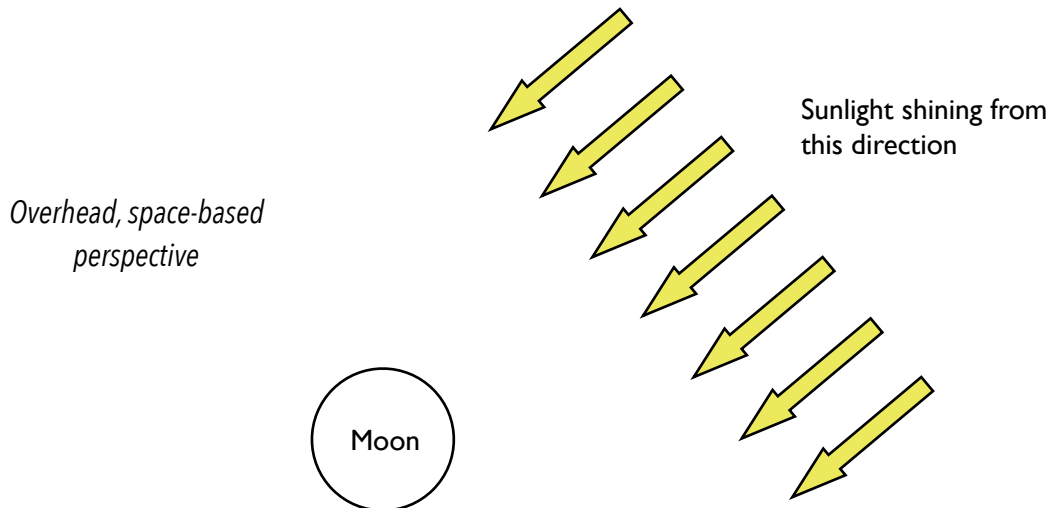


The Moon's Phases

Wait for instructions before you answer questions here!

1: Which part of the Moon is lit?

- What lights up the Moon? _____
- This diagram shows an overhead view of the Moon. Shade the part of the Moon that you think will be dark. (Leave the lit part of the Moon white.)

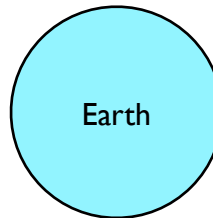
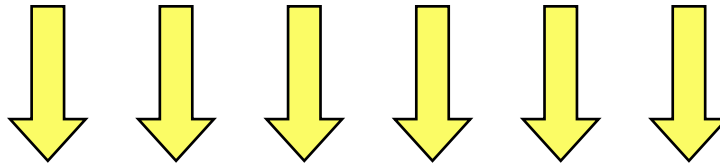


- How much of the Moon is lit at anytime? _____
<what fraction?>

- Why is the dark part of the Moon dark?

2: Follow the 4 steps to figure out the Moon's phase

Sunlight is shining from this direction



Overhead, space-based perspective

NOT to scale

Overhead Perspective	
Step 1:	Shade the part of the Moon (and Earth) that appears dark from overhead.
Step 2:	Draw a line that divides the Moon into the halves facing Earth and facing away from Earth. Label the two sides of the Moon (facing Earth/facing away from Earth).
Step 3:	Describe the side of the Moon facing Earth. Circle a choice below: ALL DARK MOSTLY DARK HALF/HALF MOSTLY LIT ALL LIT
Earth-based Perspective	
Step 4:	Use this overhead view to imagine what the Moon looks like from Earth. Predict if the light is on the Moon's left or right (when viewed from Earth's Northern Hemisphere). Circle a choice below: LEFT RIGHT

Earth-based Perspective:

Draw what you think the Moon looks like from Earth
(in the Northern Hemisphere)

