

Learning Activity

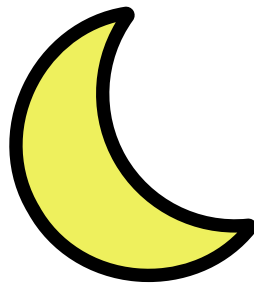
Name: _____

Group: _____

Date: _____

Science and technology Grades 3 and 4

On the Moon



Student booklet

Activity Summary

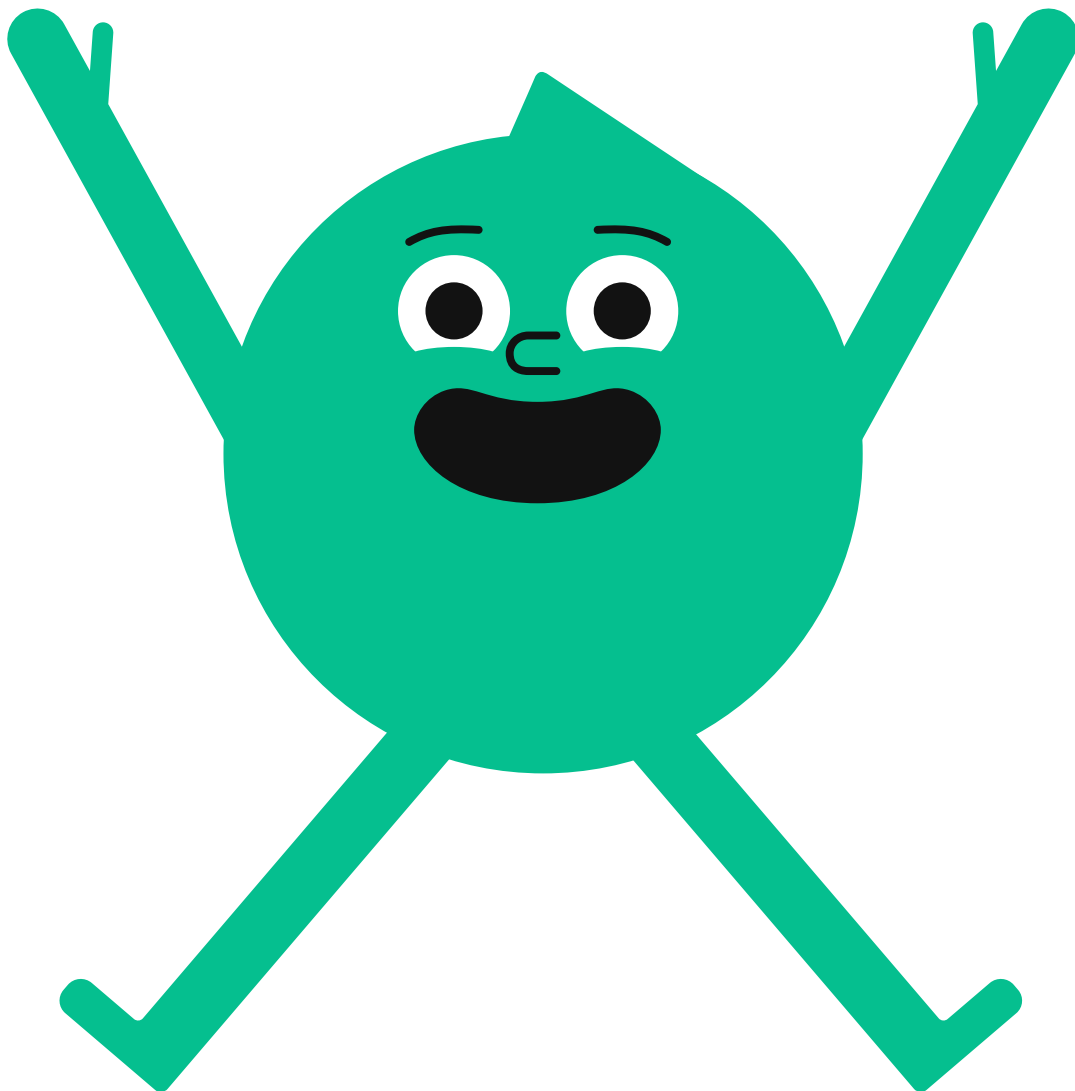


The moon is a natural satellite orbiting the Earth. Even though it's a sphere, it doesn't always appear round in the sky. Only a part of the moon is visible to us on Earth, and a different part is visible every day. This visible part is called a ***moon phase***.

Your Mission

In this activity, you must:

- Answer a few questions about the moon
- Observe the moon for 6 weeks
- Draw the moon phases you observe
- Draw conclusions about the moon's behaviour



Part 1: Before You Observe the Moon







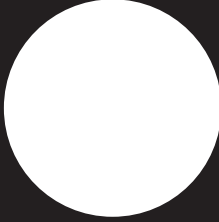



1. Complete the following table.

☐ Draw the moon phases you know.

☐ If you know the name of a phase you draw, write the name below its drawing.

In your drawing, the visible part of the moon should stay white. Colour the rest of it grey or black.

			
Name:	Name:	Name:	Name:
			
Name:	Name:	Name:	Name:

2. Based on your prior knowledge, at what time of day can you see the moon in the sky?

☐ During the day

☐ During the night

☐ During both the day and the night

Part 2: Observe the Moon



Observe the moon 3 times a week for 6 weeks.

For each observation:

- ☐ Write the date you observed the moon.
- ☐ Write the time you observed the moon.
- ☐ Draw the phase of the moon you see. In your drawing, the visible part of the moon should stay white. Colour the rest of it grey or black.

	Week 1			Week 2		
Date:						
Time:						

	Week 3			Week 4		
Date:						
Time:						

	Week 5			Week 6		
Date:						
Time:						

Part 3: Conclusion



1. Were there any moon phases you drew in Question 1 that you didn't see during your observations?

- ☐ Draw the phases you didn't see.
- ☐ Draw the phases you saw.

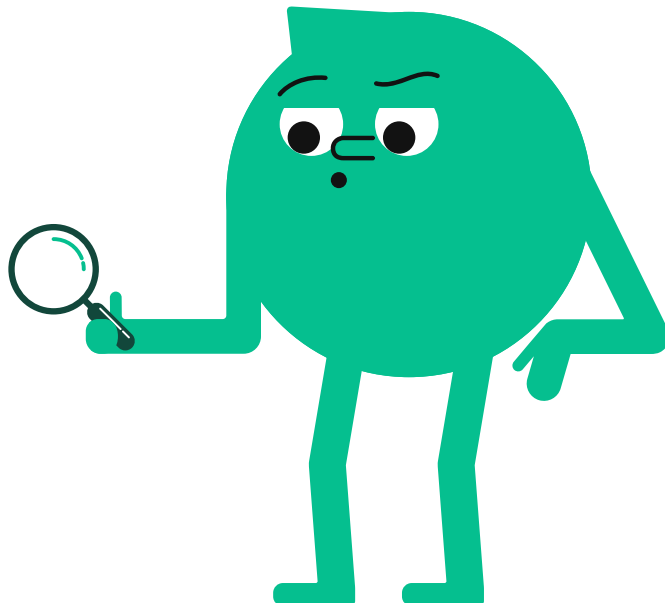
Phases I Didn't See	Phases I Saw

2. Now that you've observed the moon for 6 weeks, at what time of day would you say you can see the moon?

- ☐ During the day
- ☐ During the night
- ☐ During both the day and the night

3. By observing the moon for 6 weeks, you can see that its behaviour follows a cycle. In other words, the moon phases repeat themselves. Based on your observations, how long do you think a lunar cycle lasts?



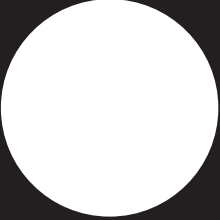


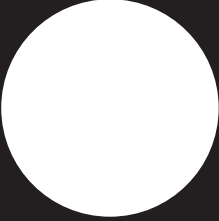
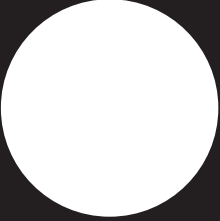

I think a lunar cycle lasts _____ weeks.



Part 3: Conclusion (continued)



4. Work with your teacher to draw and name the 8 moon phases.

			
Name:	Name:	Name:	Name:
			
Name:	Name:	Name:	Name:

