

# Learning Activity

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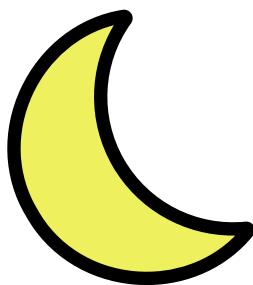
**Name:** \_\_\_\_\_

**Group:** \_\_\_\_\_

**Date:** \_\_\_\_\_

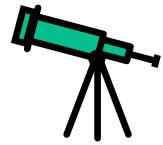
## **Science and technology** Grades 3 and 4

# On the Moon



**Student booklet**

## Activity Summary

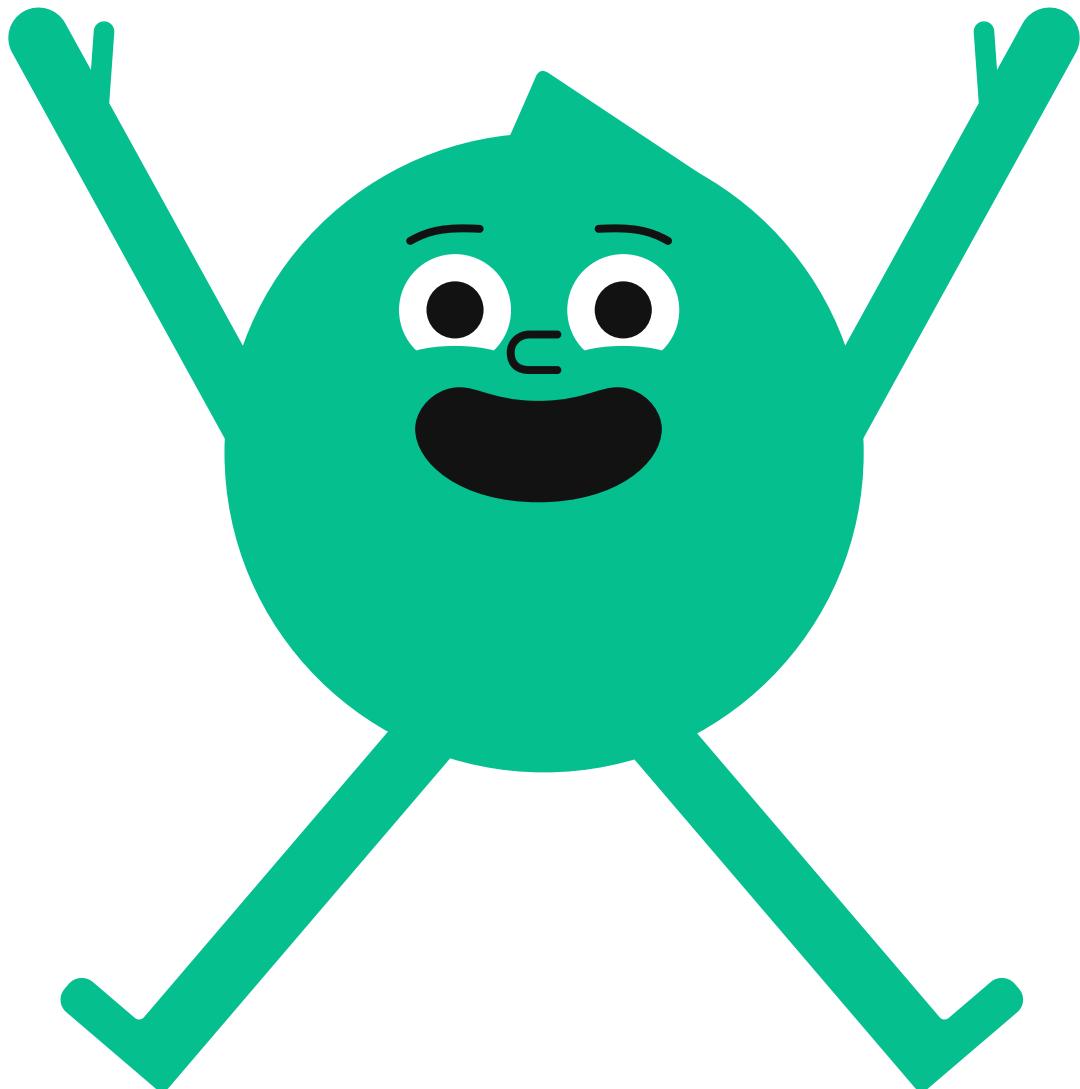


The moon is a natural satellite orbiting the Earth. Even though it's a sphere, it doesn't always appear round in the sky. Only a part of the moon is visible to us on Earth, and a different part is visible every day. This visible part is called a **moon phase**.

## 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



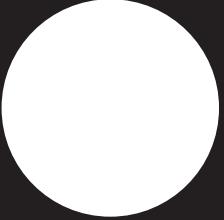
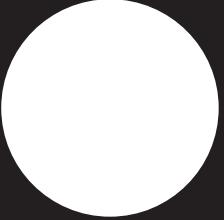
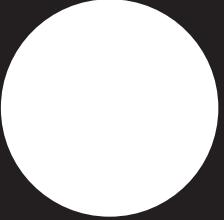
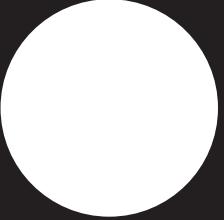
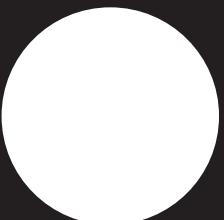
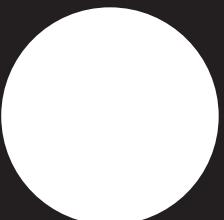
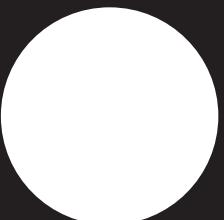
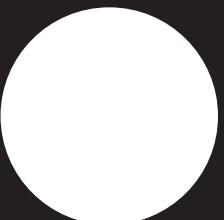
## Part 1: Before You Observe the Moon



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

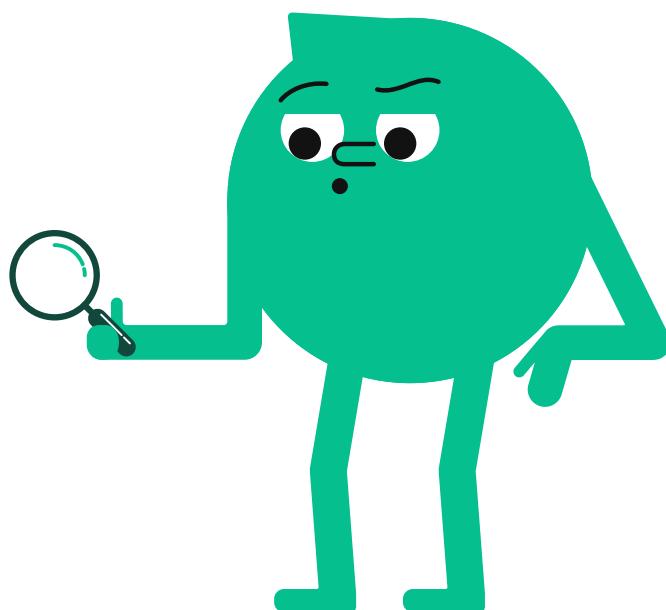


1. Were there any moon phases you drew in Question 1 that you didn't see during your observations?
  - Draw the phases you didn't see.
  - Draw the phases you saw.

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?

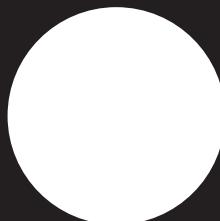
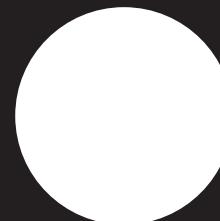
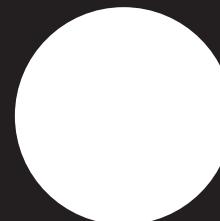
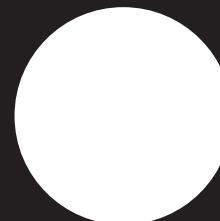
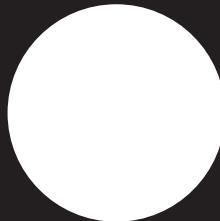
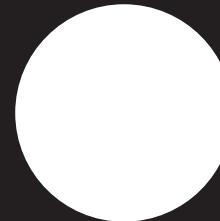
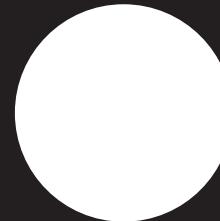
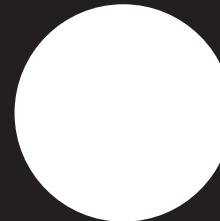
I think a lunar cycle lasts \_\_\_\_\_ weeks.



## 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:

