

PUPIL WORKSHEET

The Moon's journey

Autumn 1 · Week 7 · Lesson A

Describe the Moon orbiting Earth roughly monthly; explain moonlight as reflected sunlight and ordinary phases as changing views of the illuminated half.

Monday · 40 minutes. Name: _____ Date: _____. Explain the Moon's orbit, reflected light and ordinary phases. Keep this sheet for Tuesday.

1. Arrival: a first idea

Supported: point to full Moon on the adult's phase strip. Standard: estimate the time for Moon to orbit Earth. Stretch: also name where its light comes from.

2. Trace the light

Write, draw, point or dictate as agreed with your teacher.

Draw or explain a light path from Sun to Moon and then to an observer on Earth. Name the light source and the reflecting object. Use arrows or direct an adult.

3. Watch three model views

Write, draw, point or dictate as agreed with your teacher.

The adult keeps the light direction fixed. Compare new, half and full from the same observer position; record or point to how much of the visible disc appears lit. The ball stays round.

View	Visible lit portion
New Moon	
Half Moon	
Full Moon	

4. Phase or eclipse?

Write, draw, point or dictate as agreed with your teacher.

Write ordinary phase or lunar eclipse. Explain how one eclipse example differs from the normal phase cycle.

Observation	Phase / eclipse
Crescent Moon	
Full Moon	
New Moon is hard to see	
Moon goes dark red in Earth's shadow	

5. True or false?

Write, draw, point or dictate as agreed with your teacher.

Mark each claim. Repair one false statement in your own words.

Claim	True / false
The Moon reflects sunlight.	
The Moon glows by itself.	
Ordinary phases are Earth's shadow.	
The Moon orbits Earth in about a month.	
The Moon is only visible at night.	

6. Build the explanation

Complete: The Moon reflects_____. As it orbits_____, we see different amounts of_____.

Keep the work and a question for Tuesday.

CHOOSE A RESPONSE ROUTE

Ways to show your understanding

Choose the route agreed with your teacher. You do not need to complete every route.

Supported

Point to a full-Moon example and identify Sun as the light source; adult reads/scribes statements.

Standard

Describe three views, sort claims and explain ordinary phases using orbit and reflected sunlight.

Stretch

Explain an eclipse/phase difference and distinguish an orbit from a full new-to-new phase cycle.