Our Universe: Worksheet

Watch the video first, then try these on your own!

Name: _____ Class: _____ Date: _____

1 True or false?

Tick (✓) the right box.

Sentence	True	False
The Sun is a star.	☐	☐
The Moon has its own light.	☐	☐
Stars look tiny because they are very far away.	☐	☐
Jupiter is the smallest planet.	☐	☐
Saturn has rings.	☐	☐
Mars is called the red planet.	☐	☐

2 Planets in order

Use the trick: My Very Easy Method Just Speeds Up Naming!

1. Write the 8 planets in order, starting from the Sun:

_____

3 Activity: torch and ball

You need:

- a torch
- a ball or an orange
- a small sticker (India)
- a dark room

Steps:

1. Stick the sticker on the ball.
2. Ask someone to shine the torch on the ball.
3. Slowly spin the ball like a top.
4. Watch the sticker. Does it get day and night?

4 What I saw

When the sticker is…	Day or night?
facing the torch	
away from the torch	

Think: Does the Sun go home at night? What really happens?

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5 Test yourself

1. Which is the biggest planet?

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2. One spin of the Earth takes how long? *(24 hours / 365 days)*

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3. One trip of the Earth around the Sun is called… *(rotation / revolution)*

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4. Why do we have day and night?

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Answer key (for parents and tutors):

1. True, False, True, False, True, True.
2. Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune.
3. Facing the torch: day. Away: night. The Sun does not go anywhere; the Earth spins.
4. (1) Jupiter (2) 24 hours (3) revolution (4) the Earth spins; the side facing the Sun has day.