

Earth, Sun, Moon & the Solar System

Also Part 2 of the lesson worksheet.

Name: _____

Date: _____

EXPECTATIONS

5 min silent + 2 min share

1. Answer in Part 2 of the lesson worksheet (or on this sheet).
2. Number each answer to match the question.
3. Answer in complete sentences. For math, show your work.
4. Work silently for 5 minutes, then share with a partner for 2 minutes.
5. Be ready to share one answer with the class.

WARM-UP QUESTIONS

1. Where does the Sun rise, and where does it set?

2. What is the difference between a day and a year on Earth?

3. Draw your shadow at noon and at 5 p.m. Which is longer? Why do you think so?

Today's target: I can use a model to explain patterns caused by Earth's rotation and orbit and describe the scale of the solar system.

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What to look for in student answers.

#	Question	Look for
1	Where does the Sun rise, and where does it set?	It rises in the east and sets in the west.
2	What is the difference between a day and a year on Earth?	A day is one full spin (rotation) of Earth, about 24 hours. A year is one trip around the Sun (revolution), about 365¼ days.
3	Draw your shadow at noon and at 5 p.m. Which is longer? Why do you think so?	The 5 p.m. shadow is longer because the Sun is lower in the sky.

Use the warm-up to activate prior knowledge. Call on 2-3 students, and write one strong answer on the board as a model. Question 3 previews today's lesson, so do not correct it yet; come back to it in the debrief.