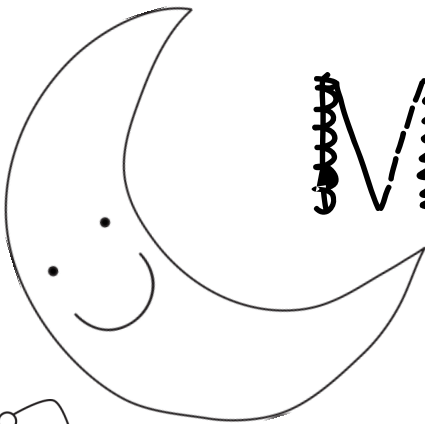
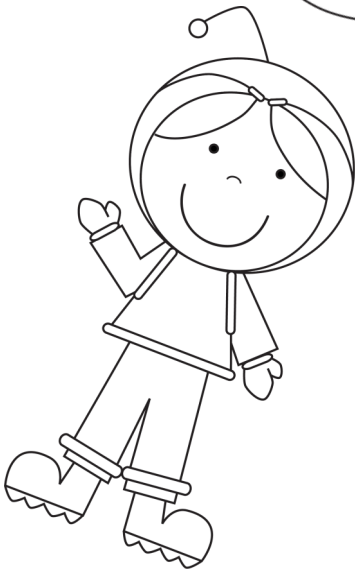
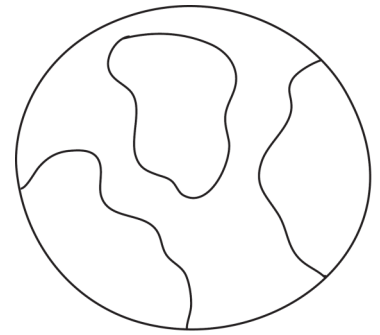


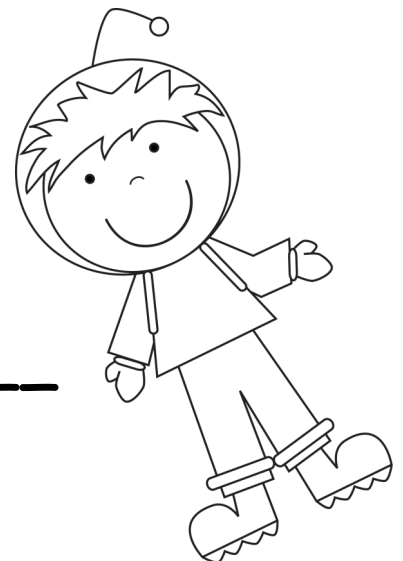
Sun, Earth, and



Moon



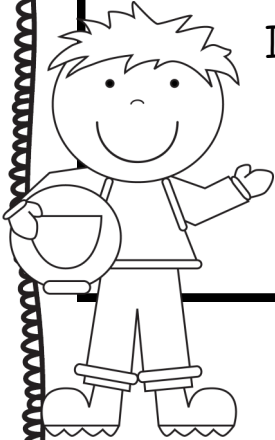
# Student Activity Packet



name: \_\_\_\_\_

# Lesson 1

## Focus Learning Goal

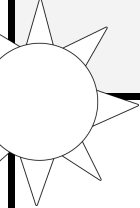
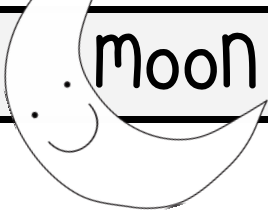
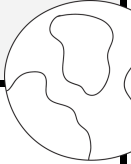


I can describe where the sun, moon, and earth are located in space and compare their sizes.

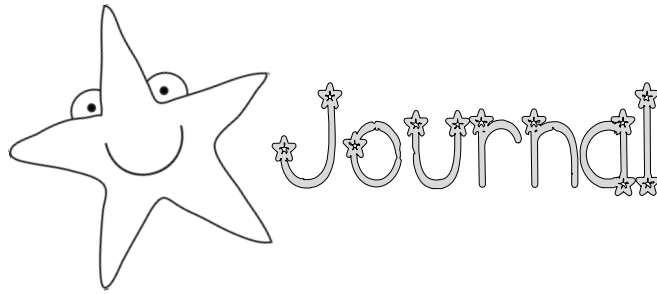
## Important Vocabulary:

solar system: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Directions: Use the chart below to write what you already know about the sun, moon, and earth.

 sun	 moon	earth 
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

# Lesson 1 (Cont.)



Use descriptive words to compare the sizes of the sun, moon, and earth.

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## Focus Goal Self-Evaluation

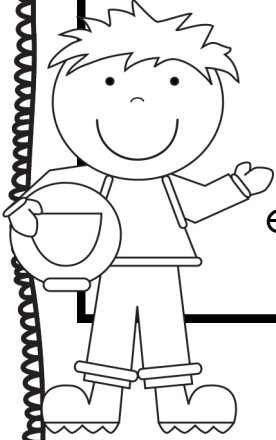
Standard/Goal	I Got It!	Still Working On It!	I Need More Help!
I can describe where the sun, moon, and earth are located in space and compare their sizes.			

I gave myself this rating because \_\_\_\_\_

\_\_\_\_\_

# Lesson 2

## Focus Learning Goal



I can describe the sun's location in the solar system and explain how it effects our earth.

## Important Vocabulary:

plasma: \_\_\_\_\_

solar energy: \_\_\_\_\_

**Directions:** Walk around your classroom to collect "Sun Facts." As you learn each fact, write the fact in the correct category.

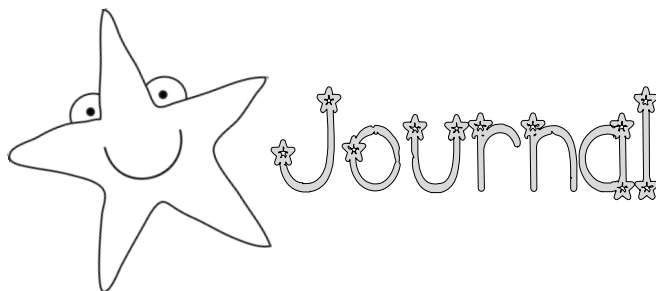
Describing the Sun:

A stylized sun with a central circle containing the text "the Sun" and several rays extending outwards.

the Sun

Benefits of the Sun:

## Lesson 2 (Cont.)



The o-zone layer is a protective layer surrounding the earth keeping out harmful sun-rays. However, parts of the o-zone layer have holes in it caused by harmful chemicals and gases that people put into the air. Based on information learned in today's lesson about the power of the sun, why should people work hard to protect the o-zone layer?

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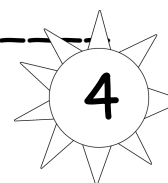
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### Focus Goal Self-Evaluation:

Standard/Goal	I Got It!	Still Working On It!	I Need More Help!
I can describe the sun's location in the solar system and explain how it affects our earth.			

I gave myself this rating because \_\_\_\_\_

\_\_\_\_\_



# Lesson 3

## Focus Learning Goal



I can explain what causes day and night using the words "rotation" and "axis."

## Important Vocabulary:

rotation: \_\_\_\_\_

\_\_\_\_\_

axis: \_\_\_\_\_

\_\_\_\_\_

**Directions:** Read each statement below. Decide if the statement is true or false. If the statement is false, make it true by changing the bold faced words. If it is true, do not make any changes.

1. The **sun** rotates around the **earth** on its **axis**, causing day and night.

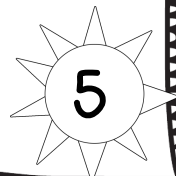
T or F

2. When one side of the earth is having daytime, the other side is having **nighttime**.

T or F

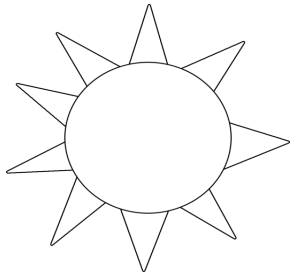
3. The earth takes **12 hours** to complete one day and night.

T or F

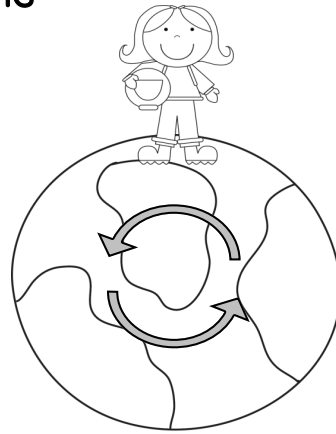


# LESSON 3 (CONT.)

Describe what time of day it is for the girl in each picture.

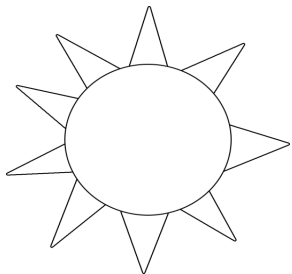


sun rays →

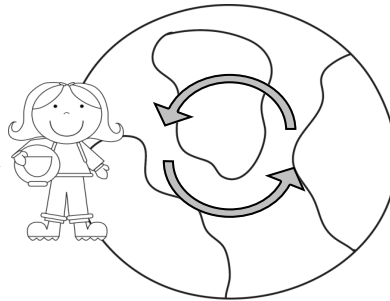


Time of Day:

\_\_\_\_\_

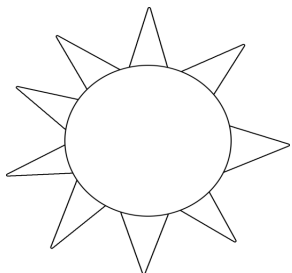


sun rays →

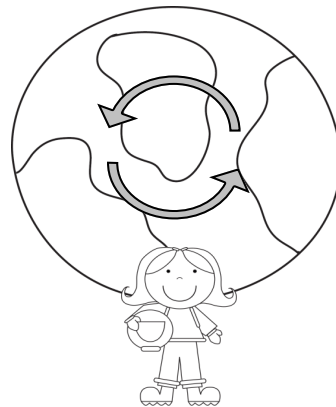


Time of Day:

\_\_\_\_\_

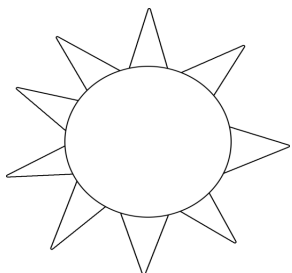


sun rays →

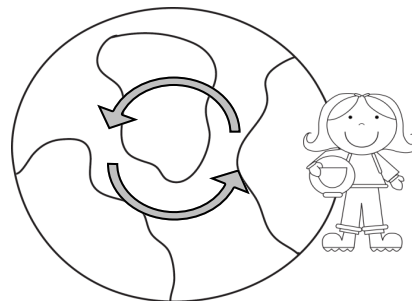


Time of Day:

\_\_\_\_\_



sun rays →

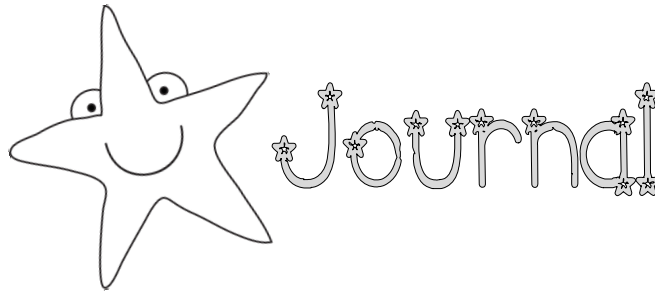


Time of Day:

\_\_\_\_\_



## Lesson 3 (Cont.)



Using the words “rotation” and “axis,” explain what causes the pattern of day and night. Be sure to explain how long it takes to complete one day and night.

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### Focus Goal Self-Evaluation

Standard/Goal	I Got It!	Still Working On It!	I Need More Help!
I can explain what causes day and night using the words “rotation” and “axis.”			

I gave myself this rating because \_\_\_\_\_

\_\_\_\_\_



# Lesson 4

## Focus Learning Goal



I can explain what causes the seasons to change using the words "revolution" and "orbit."

## Important Vocabulary:

revolution: \_\_\_\_\_

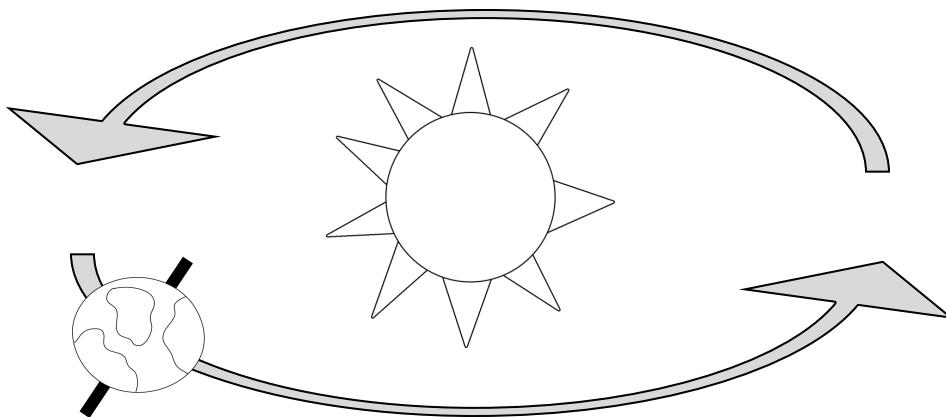
orbit: \_\_\_\_\_

Directions: As you listen to the book The Reasons for the Seasons, record your learning below.

The four seasons of the year are:

Four empty ovals are arranged horizontally, with arrows pointing from the text above to each oval.

The seasons change as the earth \_\_\_\_\_ around the sun.



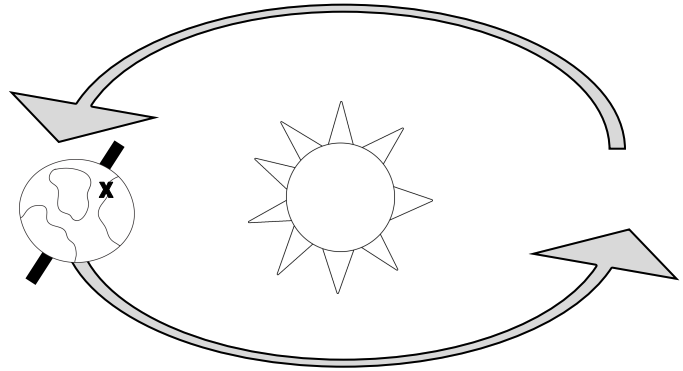
It takes one year for the earth to complete one \_\_\_\_\_ around the sun.

# LESSON 4 (Cont.)

The slight \_\_\_\_\_ of the earth toward or away from the sun will determine what season it will be.

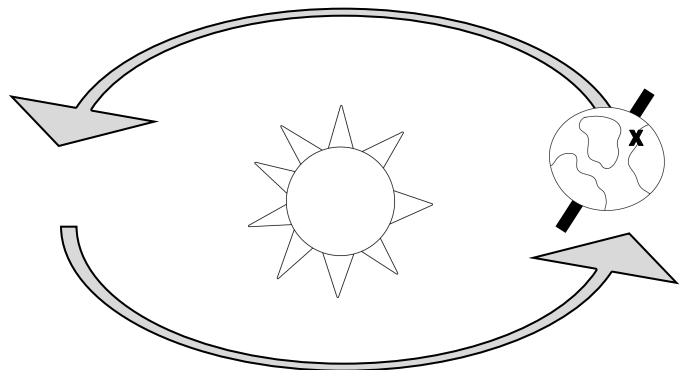
If we are on the part of the earth tilted \_\_\_\_\_ the sun, we receive *more* heat.

As we tilt toward the sun, we will have the \_\_\_\_\_ and \_\_\_\_\_ seasons.



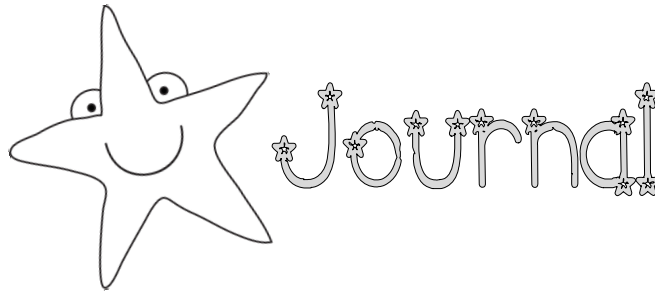
If we are on the part of the earth tilted \_\_\_\_\_ from the sun, we receive *less* heat.

As we tilt away from the sun, we will have the \_\_\_\_\_ and \_\_\_\_\_ seasons.



Spring	Summer	Fall/Autumn	Winter
First day of spring: _____	First day of summer: _____	First day of fall: _____	First day of winter: _____
On the first day of spring, the day and night are about the _____ length of time.	The first day of summer is the _____ day of the year because the sun shines on earth for a longer period of time.	On the first day of fall, the day and night are about the _____ length of time.	The first day of winter is the _____ day of the year because the sun shines on earth for a shorter period of time.

# LESSON 4 (CONT.)



Using the words "revolution" and "orbit," explain what causes the four seasons to change. Be sure to explain how long it takes to complete all four seasons.

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## FOCUS GOAL SELF-EVALUATION

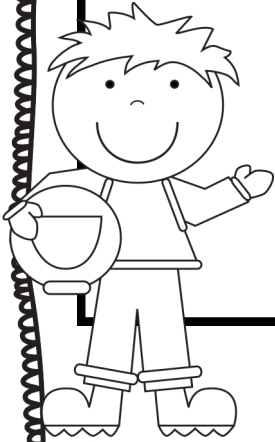
Standard/Goal	I Got It!	Still Working On It!	I Need More Help!
I can explain what causes the seasons to change using the words "revolution" and "orbit."			

I gave myself this rating because \_\_\_\_\_

\_\_\_\_\_

# Lesson 5

## Focus Learning Goal

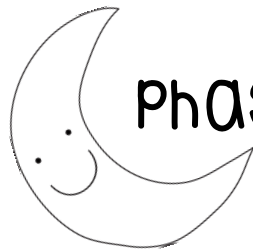


I can describe the pattern that the moon follows.

## Important Vocabulary:

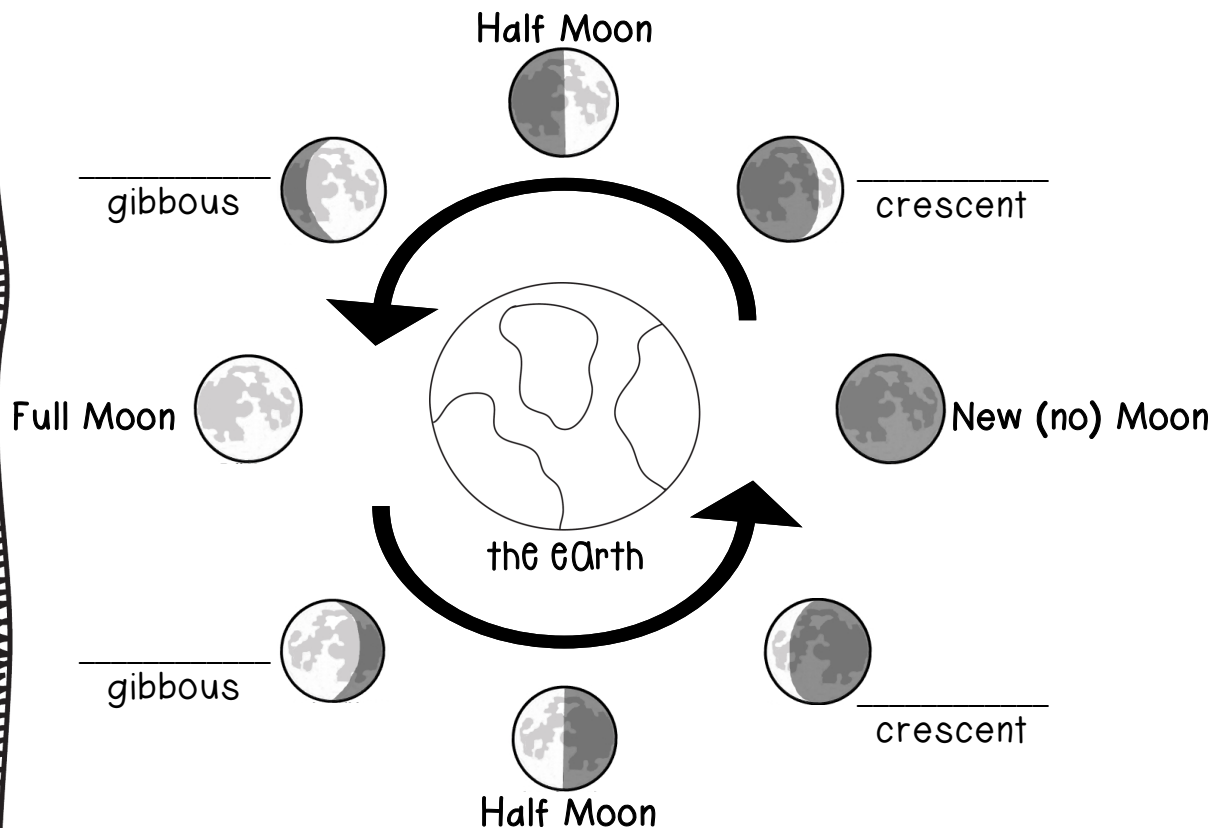
waxing: \_\_\_\_\_

waning: \_\_\_\_\_



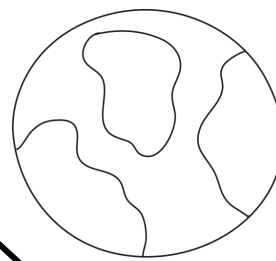
## Phases of the Moon

Directions: Look at the diagram of the moon phases below. Write whether the moon is *waxing* or *waning*.

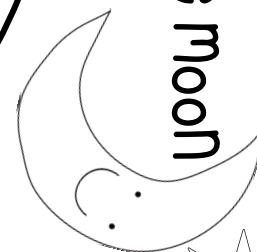
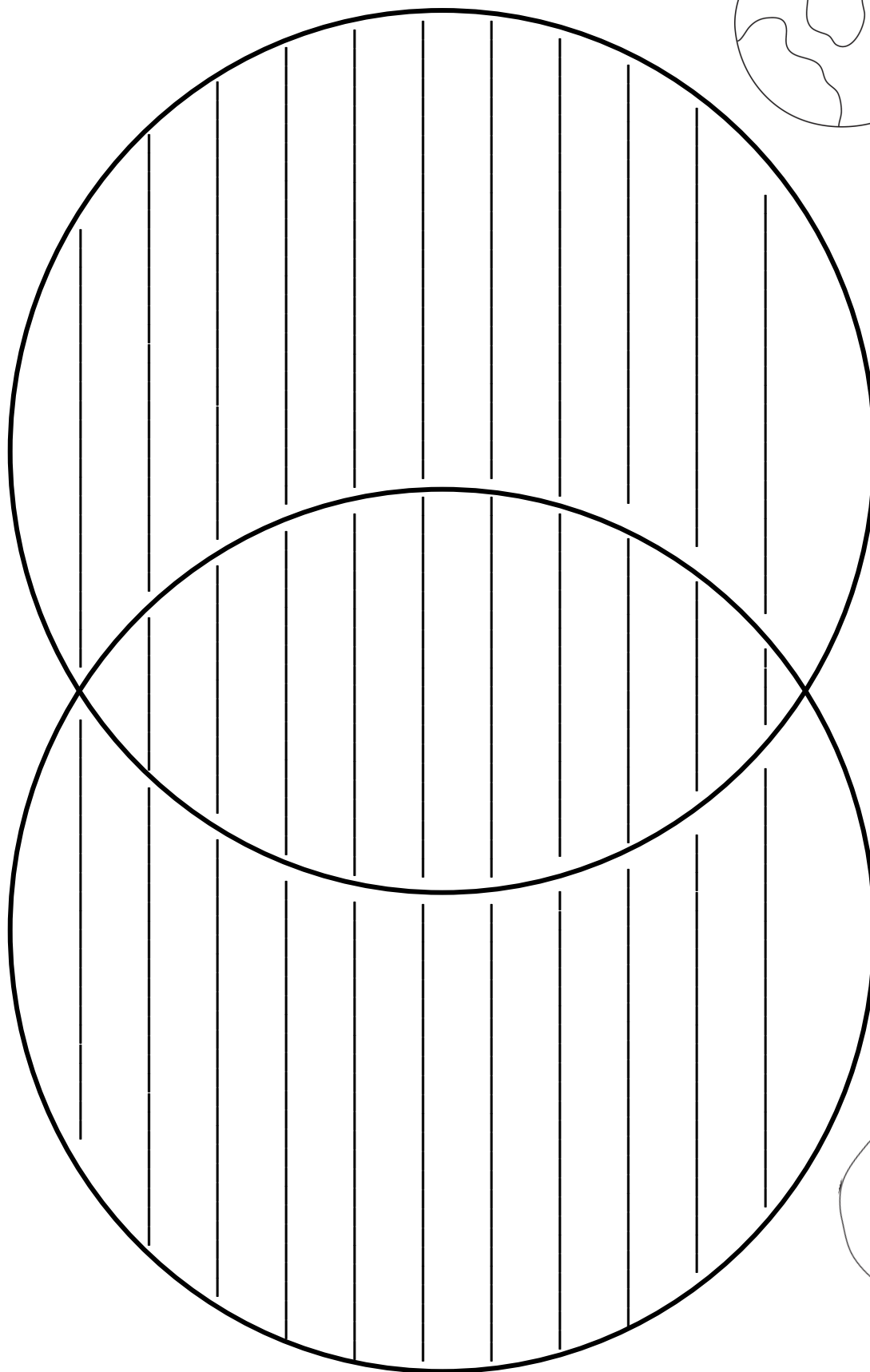


The moon \_\_\_\_\_ the sun's light.

# Lesson 5 (Cont.)

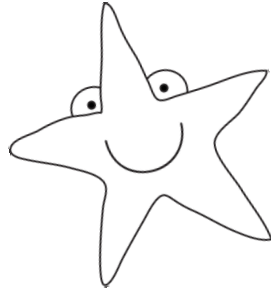


the earth



the moon

# Lesson 5 (Cont.)



## Journal

Katie and James were discussing the phases of the moon. Katie said that the moon looks different in the sky because the actual size of the moon changes as it revolves around the earth. James said that the moon looks different because the amount of sun shining on the moon changes, which effects how much of the moon we see as it revolved around the earth. Who is right? Explain.

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### Focus Goal Self-Evaluation:

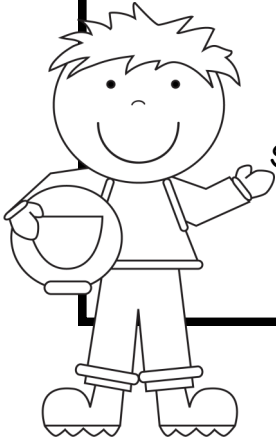
Standard/Goal	I Got It!	Still Working On It!	I Need More Help!
I can describe the pattern that the moon follows.			

I gave myself this rating because \_\_\_\_\_

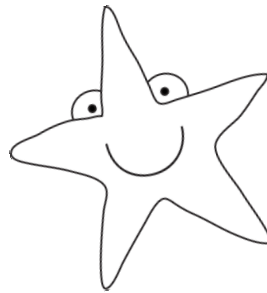
\_\_\_\_\_

# LESSON 6

## Focus Learning Goal



I can use my knowledge of the sun, earth, and moon to review important information.



## Journal

You have learned many things about the sun, earth, and moon. In the space below draw a diagram to represent how the sun, earth, and moon appear in the solar system. Your diagram should include labels. Use arrows to represent the movement that the earth and moon make.



## LESSON 6 (CONT.)

### Focus Goal Self-Evaluation

Standard/Goal	I Got It!	Still Working On It!	I Need More Help!
I can describe the pattern that the moon follows.			

I gave myself this rating because \_\_\_\_\_

\_\_\_\_\_

