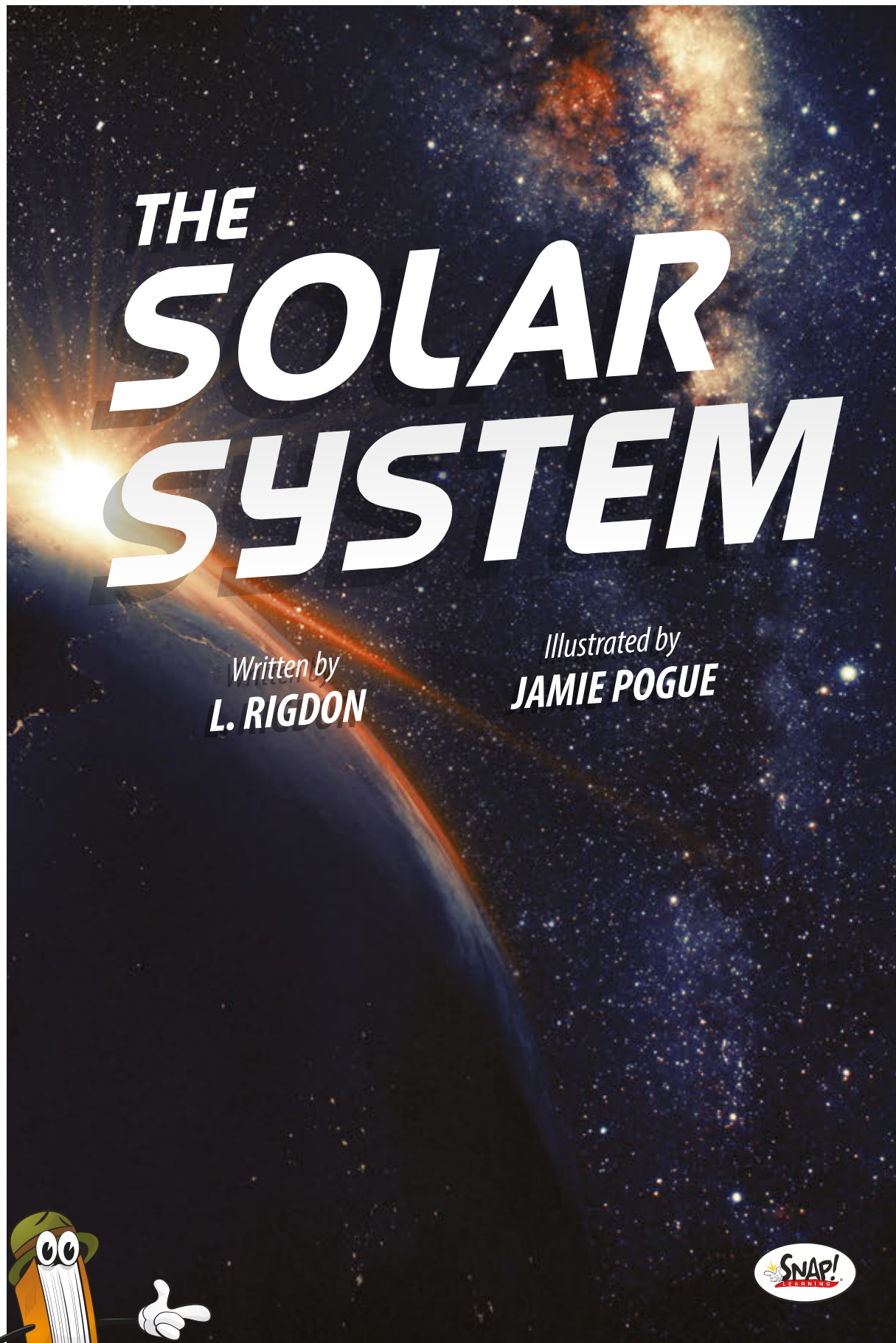
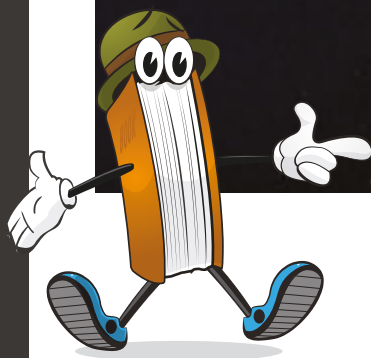




ACTIVITIES



Written by
L. RIGDON

Illustrated by
JAMIE POGUE



Name _____



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THE SOLAR SYSTEM

ACTIVITIES PACK



STRUCTURED GUIDED READING

WORDS WITH THE MOST COMMON AFFIXES & GREEK/LATIN ROOTS

PRACTICE & CHECKLIST

The Solar System

Name _____

<input type="checkbox"/>	adoption	<input type="checkbox"/>	admission
<input type="checkbox"/>	detection	<input type="checkbox"/>	confusion
<input type="checkbox"/>	election	<input type="checkbox"/>	explosion
<input type="checkbox"/>	production	<input type="checkbox"/>	collision
<input type="checkbox"/>	connection	<input type="checkbox"/>	comprehension
<input type="checkbox"/>	attraction	<input type="checkbox"/>	decision
<input type="checkbox"/>	completion	<input type="checkbox"/>	expression
<input type="checkbox"/>	animation	<input type="checkbox"/>	impression
<input type="checkbox"/>	adaptation	<input type="checkbox"/>	occasion
<input type="checkbox"/>	application	<input type="checkbox"/>	vision
<input type="checkbox"/>	aviation	<input type="checkbox"/>	permission
<input type="checkbox"/>	citation	<input type="checkbox"/>	tension
<input type="checkbox"/>	mansion		

Word Activities

- 1 Create flashcards for each word.
- 2 Learn 5 words at a time until you can read all 25 words automatically.
- 3 Practice during Structured Guided Reading time, free time, and at home.
- 4 Practice with a partner and independently.
- 5 Test yourself with a partner or parent.
- 6 Read each word within 1-2 seconds.
- 7 Practice this group of words using the interactive flashcards in the Mobl21 app.

FLUENCY PRACTICE

The Solar System

Name

Directions

Practice reading this passage with your teacher, a partner, and on your own. Take a one-minute timed reading. Count up the number of words read correctly and enter your score in the score tower. Your goal is to read up to, or beyond, the number of words indicated by the goal line.

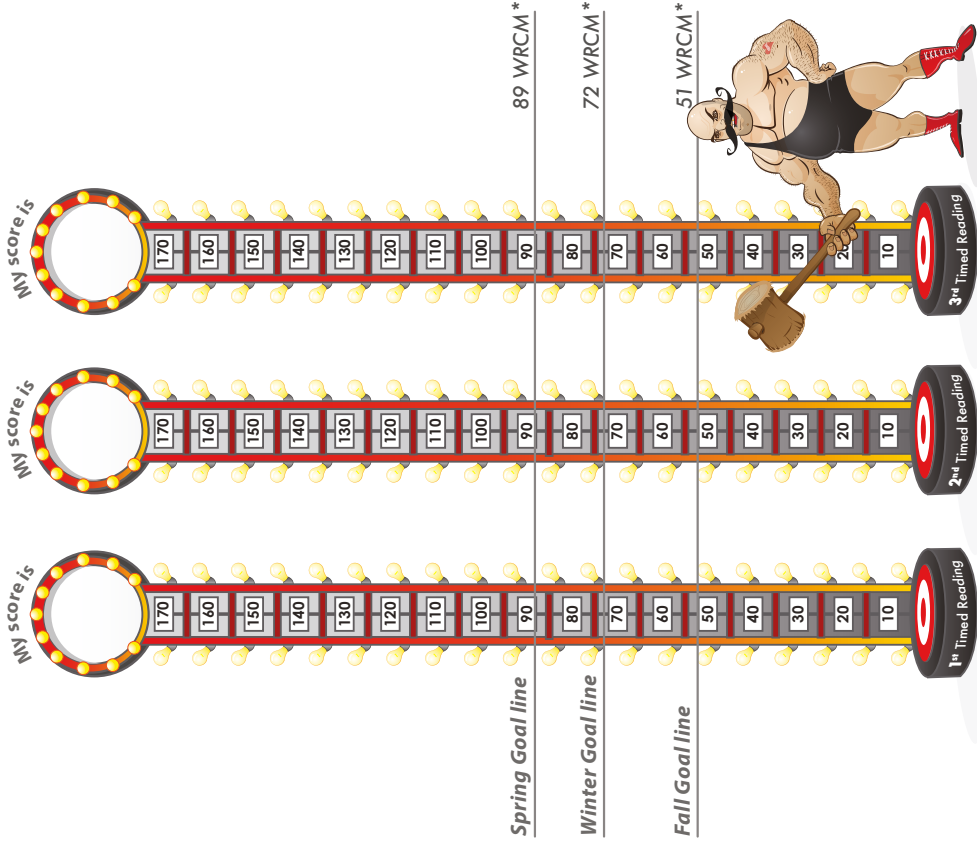
Imagine looking up at the night sky. Think about the stars twinkling back at you. Those stars are up in outer space, but they are very far away. Take Alpha Centauri for example. That star is considered very close to Earth, but it is 4 light-years away. This means that even light, which travels extremely fast, takes 4 years to get from Alpha Centauri to us!

However, space holds many wonders that are much closer to us. Even closer than Alpha Centauri, there are planets, asteroids, comets, and one special star. Let's take a look at what makes up our solar system.

A solar system has three key elements: a sun, gravity, and planets.

Each solar system has one or more suns. Unlike many solar systems, ours only has one sun. However, ours is big, bright, and powerful. What makes it so powerful? Gravity makes it powerful. The larger the object is, the more gravity that it has to pull on other objects.

Think of gravity like a game of tug-of-war. The sun is a dominant player compared to the planets. Like the sun, each planet has gravity of its own. However, the planets are less powerful. While each planet tries to tug against the sun, the sun tugs back.



MAP

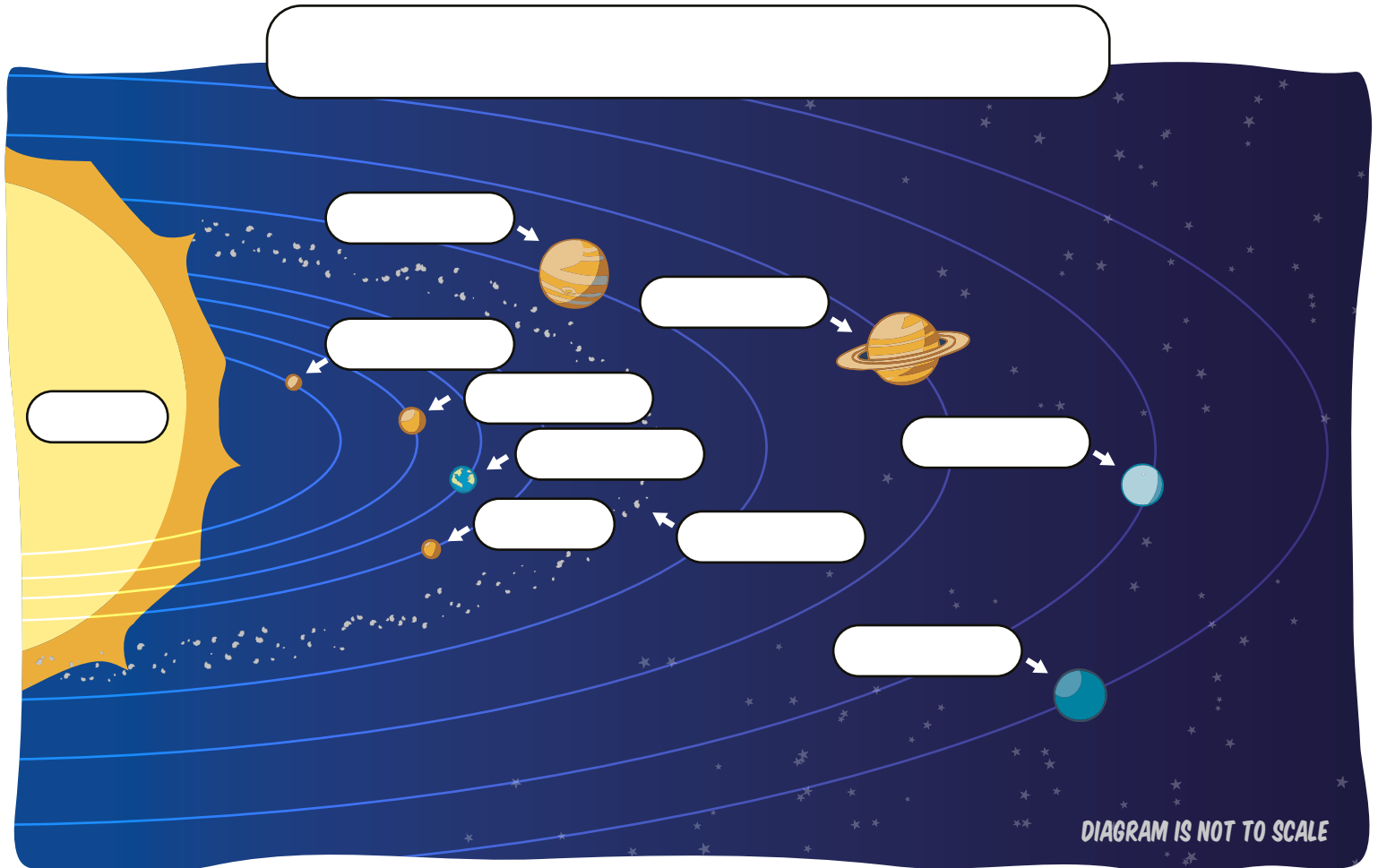
The Solar System

Name _____

Directions

1. Create a title for the map.
2. Label the sun and the asteroid belt.
3. Label the planets.
4. Outline the Earth's orbit around the sun.

TITLE



LEGEND

Sun	Mars
Asteroid belt	Jupiter
Mercury	Saturn
Venus	Uranus
Earth	Neptune

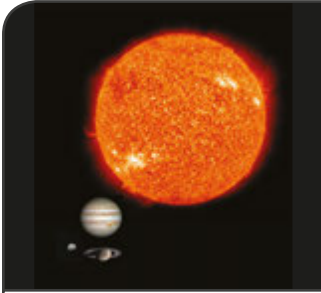
VOCABULARY

The Solar System

Name _____

Directions

For each picture, write the vocabulary word and a synonym or your definition of the word. In the space provided, draw a picture, create a word web, or create anything else that will help you remember the meaning of the vocabulary word.



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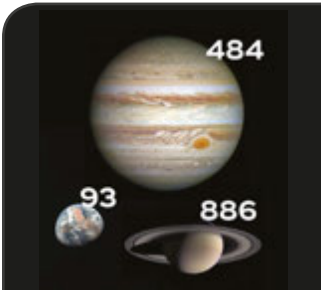
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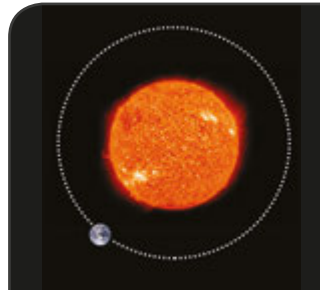
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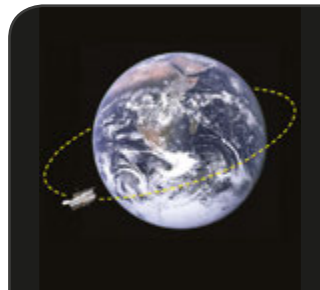
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COMPARE & CONTRAST

The Solar System

Name _____

Directions

After reading page 10, write a summary paragraph using the graphic organizer, the summary frame, and the word table provided.

Graphic Organizer

DIFFERENT	SAME	DIFFERENT
<div>1 <u>OUR SOLAR SYSTEM</u></div> <div><div></div><div></div></div>	<div></div> <div></div>	<div>2 <u>OTHER SOLAR SYSTEMS</u></div> <div><div></div><div></div></div>

Word Table

Introductory Words	Beginning Words	Summary Words	Conjunctions
This passage The text The book <u>Title of Book</u> <u>Heading of page</u> Page _____ Pages _____ The author The writer	First, For example, Also, In addition, Additionally, Moreover, Futhermore,	As explained, As noted, In summary, In conclusion,	but yet though although nevertheless even so even though

Concluding Phrases - Select One

distinct traits

different characteristics

their differences

The Solar System

Name

Directions: Use the summary frame below to retell this passage to a partner.

Introductory word(s) **mainly explains how** 1 **and** 2 **are the same and different.**

Beginning word(s) **, both** fact that is the same.

Beginning word(s) another fact that is the same.

An important difference between 1 **and** 2 **is** a difference.

Beginning word 1 **is** a difference **, while** 2 **is** a difference.

Summary word 1 **and** 2 **are similar,** conjunction **, they have**
concluding phrase.

Using the graphic organizer, the summary frame, and the word table, summarize this passage in the space below.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

SUMMARIZE ON YOUR OWN

The Solar System

Name

Directions

After reading page 15, create and complete a graphic organizer that matches the text structure the author used. Remember to use your own words when completing the graphic organizer.

The Solar System

Name

Directions

Use your completed graphic organizer, and the word table and summary frame from the previous activity, to write a summary paragraph.

[illegible]

CLOZE

The Solar System

Name _____

Directions

Below is a summary of the book with missing words. Carefully, reread the book. Then, fill in the spaces with words from the book.

There are many solar _____ in the universe. Our sun is a _____, and it is the center of our solar system. Eight _____ orbit the sun, which has a strong gravitational field. Planets with a solid surface are terrestrial. The other planets are made of _____. Our solar system also has asteroids, comets, and moons. Our planet only has one _____, which orbits Earth. However, other planets have many moons. Scientists send _____ to space to find out more about the objects in our _____ system. Many missions are unmanned. It's safer to send an unmanned spacecraft instead of _____. The missions give scientists valuable pictures and _____. Science has taught us a lot about the objects in our solar system. Scientists use satellites and _____ to learn about other solar systems and galaxies.

FINDING THE ANSWERS

The Solar System

Name _____

1. Each solar system has one or more

- ☐ (A) moons.
- ☐ (B) stars.
- ☐ (C) elements.
- ☐ (D) suns.

2. All of the following are elements that make up a solar system except

- ☐ (A) humans.
- ☐ (B) the sun.
- ☐ (C) gravity.
- ☐ (D) planets.

3. Which of the following best describes how paragraph 3 of the book is organized?

- ☐ (A) sequential order
- ☐ (B) topic and details
- ☐ (C) compare and contrast
- ☐ (D) proposition and support

4. You can tell from the title “Earth’s Place in the Solar System” that the author is probably going to

- ☐ (A) tell about a news event.
- ☐ (B) teach you how to read a map.
- ☐ (C) describe where something is.
- ☐ (D) list the similarities and differences between two topics.

5. Which of the following statements is an opinion?

- ☐ (A) The sun is actually a star.
- ☐ (B) Earth is the third planet from the sun.
- ☐ (C) Out of the eight planets, Earth is the best.
- ☐ (D) In 1959, the unmanned Luna 2 was the first spacecraft on the moon.

SHORT ANSWERS

The Solar System

Name _____

Directions

Answer the following questions with short answers.
Cite evidence from the text when possible.

1. What are the three key elements that make up a solar system?

2. What are some conditions that scientists believe are needed to support life on a planet?

3. Explain the sequence of exploration that led up to astronauts walking on the moon in 1969.

PROCEDURAL TEXT

The Solar System

Name _____

Directions

Follow the directions below to complete this project with a partner or group. You may need some help from your teacher or an adult.

Make Your Own Solar System Mobile

Take an imaginary journey into space by designing a model of the solar system!

Here is what you need:

- Cardboard
- Color paper
- Scissors
- Tape
- String
- Pencil
- Compass

Instructions

1. Draw a large circle on the cardboard, and cut it out. In the center of the circle, draw lines from top to bottom and left to right.
2. Use the compass to draw eight circles around the point where the two lines meet. These circles are orbits.
3. Punch a hole in the center with a pencil. Then punch a hole at any point on each orbit.
4. Draw a big circle on the paper. This will be the sun. Draw eight smaller circles for the planets. Cut out each circle and write the name of each planet on the back.
5. Tape the sun and each planet to a piece of string. Lace the other end of each string through the holes in the cardboard. Arrange the planets in order: Mercury, Venus, Earth, and so on. Tape the end of the string to the back of the cardboard.
6. Tie three pieces of string to the back of the cardboard. Tie the strings together. Turn the cardboard face down to reveal your model.

BEYOND THE BOOK

The Solar System

Name _____

Your Task

Choose a task below to show key facts or information you learned or inferred from the book.

MODEL IT

Use the information found in the charts and text to build a model of the solar system.

RECORD IT

Create a video tour of the nighttime sky pointing out at least four things in the sky and the book.

SHOW IT

Create a chart showing all the things found in space.

SING IT

Find a poem that talks about some of the same points mentioned in the book. Put the poem to music.

SPEAK IT

Using some of the author's points, develop a speech urging people to invest money in space research.

WRITE IT

Write an ABC book defining many of the things found in space.