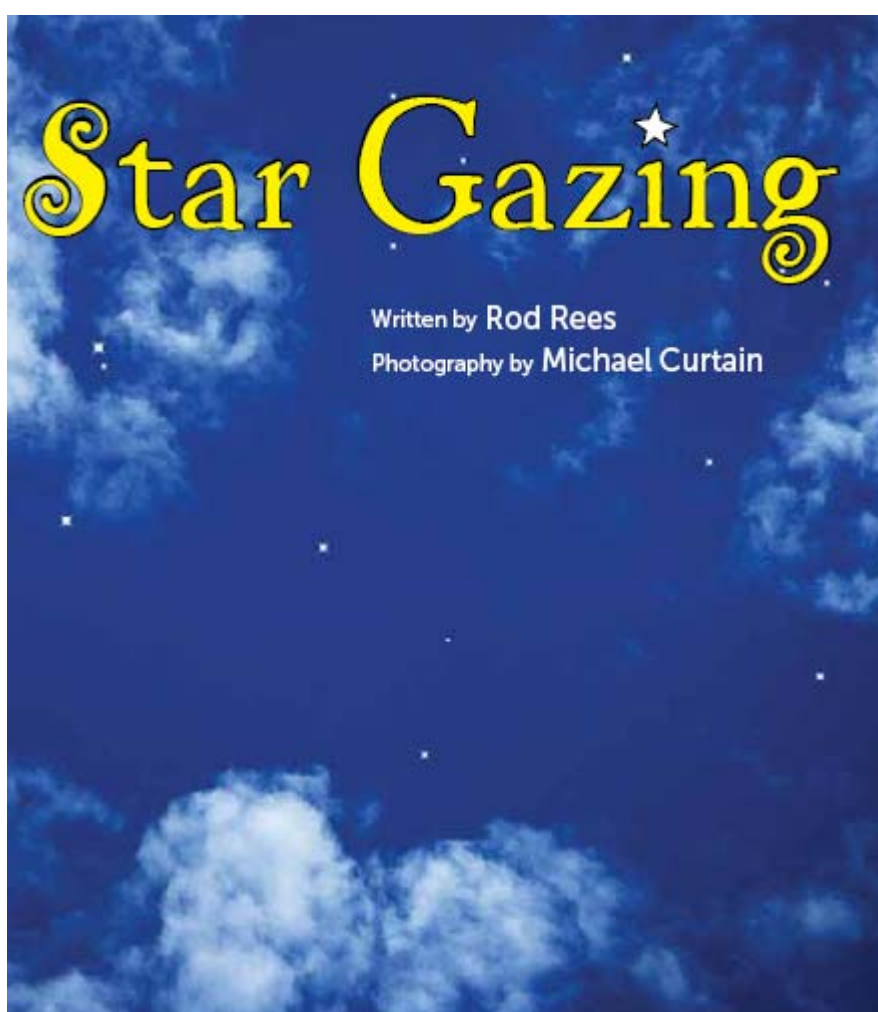


Alpha Level 4



## Word Study

**A** Write the word for each picture.

Word Box

telescope , the moon, constellation, binoculars,  
observatory, Milky Way, planets, the sun,



planets



the sun



the moon



Milky Way



telescope



constellation



observatory



binoculars

**B** Complete the sentence with words in the box.

Word Box

~~craters~~, ~~spin~~, ~~explained~~, ~~powerful~~, ~~shining~~

- 1) We can see lots of twinkling stars and the bright shining moon.  
*producing or reflecting a bright, steady light*
- 2) Sandy explained what would be able to see through the telescope.  
*to make (something) clear or easy to understand*
- 3) Mars has lots of craters and mountains.  
*a large round hole in the ground made by the explosion of a bomb or by something falling from the sky*
- 4) Small pieces of ice and dust spin around Saturn.  
*to turn or cause someone or something to turn around repeatedly*
- 5) I saw stars and planets through powerful telescope.  
*capable of doing many things in a fast and efficient way*

## Word Study

**C** Complete the sentences using words in the box.

Word Box

made, away, to, at, back, and, for, up, went

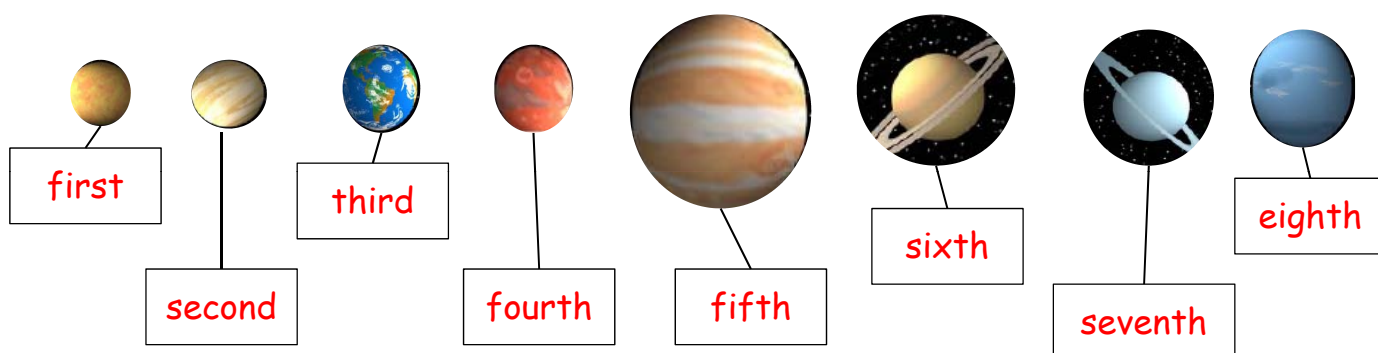
- 1) One night Dad and I went outside to look at the sky. went outside
- 2) The telescopes are **better** for looking at the sky. better for
- 3) People who **work** at an observatory study the stars. work at
- 4) We could **be able** to see planets through the telescope. be able to
- 5) The telescope **points** up at the sky. point up
- 6) Sandy explained the difference **between** stars and planets. between and
- 7) The other stars look small because they are **very far** away. far away
- 8) The rings **are** made **up** of small pieces of ice and dust. be made up
- 9) Dad said we could **go** back another time. go back

**D** Write the Ordinal number.

### Ordinal Number

|                  |                   |                    |                   |
|------------------|-------------------|--------------------|-------------------|
| 1 : <u>first</u> | 2 : <u>second</u> | 3 : <u>third</u>   | 4 : <u>fourth</u> |
| 5 : <u>fifth</u> | 6 : <u>sixth</u>  | 7 : <u>seventh</u> | 8 : <u>eighth</u> |
| 9 : <u>ninth</u> | 10 : <u>tenth</u> |                    |                   |

Write the correct ordinal number under each planet.



# Comprehension

## A Answer the following questions.

1) The place where people look at the stars and planets through a powerful telescope is called an observatory. (p.p. 2~5)

2) What did the boy was able to see through the telescope?(p.p. 6~10)

He was able to see stars and planets.



3) Is the sun a star or a planet? Why?

The sun is a star. Because it is a big ball of fire.

4) Why do the planets look smaller than the moon? (p.p. 12~15)

Because stars are further away than the moon.



5) Which planet is the largest in the solar system? (p.p. 16~21)

Jupiter is the largest planet in the solar system.

## B Read and circle "T" for true or "F" for false.

6) There are lots of mountains and craters on Mars

☒ T / F

7) Saturn has rings around it

☒ T / F

8) The Milky Way is made up of billions of planets.

T / ☒ F

9) The planets are smaller than the moon.

T / ☒ F

10) Saturn is the largest planet in our solar system.

☒ T / F

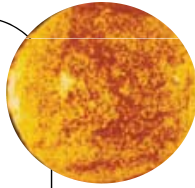
# Comprehension

## C Write the report about stars

The sun is a star.

Stars are big balls  
of fire,

The sun gives off light  
and heat. It makes energy  
in its center.



Earth is not a star.

Planets are made of  
rock, ice and gas

Planets just reflect light.  
There are eight planets in  
our solar system.

Milky Way

There are billions of  
stars in the Milky Way.

Our solar system is a  
part of the Milky Way.



Planets in the solar  
system.

Mars is a red planet.

Saturn has beautiful rings.

Jupiter has a big red spot.

Answers can vary

big balls of fire. part of the Milky Way. made of rock, ice and gas. billions of stars, moon, Mars, red planet, Jupiter, many moons, big spots, largest planet, Saturn, rings

## D Write and Speak

Read the story again. Write what you learn about stars.

### < A Visit to the Observatory >

There is a huge telescope in the room.

Through the telescope, we watched a lot of stars and planets.

From the story, I've learned ~

Stars and planets are different.

Answers can vary

Stars are huge balls of fire, they give off light and energy.

Planets are made of rocks and ice, they just reflect light.

Mars is red, has lots of craters like the moon.