Name _____

Instructions: In the first row, write what you already know about telescopes. In the second row, write what you would like to know about them. After you finish reading, fill in the third row with information you learned.

K: What I already know

W: What I would like to know

L: What I learned

Name _____

Instructions: Write the main idea and supporting details for a section in the book. Then use the main idea and details to write a summary.

Main Idea	Details
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Summary

TELESCOPES: EYES ON SPACE • LEVEL Z • 2
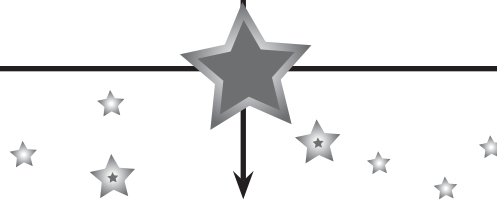
SKILL: MAIN IDEA AND DETAILS

Name _____

Instructions: Construct the correct hyphenated compound adjective to complete each sentence. Write the adjective on the line and circle the noun the adjective modifies.

average	based	close
shaped	energy	gathering
light	low	dish
sized	up	land

1. Astronomers realized that _land-based_ (telescopes) will always have

   severe limitations.

2. Most radio telescopes are large _____ structures made

   of metal.

3. They saw the first _____ view of a comet hitting a planet.

4. It is difficult to make a _____ lens more than 10 centimeters

   in diameter.

5. The Webb Telescope will gather both visible light waves and _____

   infrared waves.

6. Most _____ radio telescopes have dishes that measure

   approximately 25 meters across.

Name _____

Instructions: Read each sentence. Circle the word in each sentence that has an abbreviation equivalent. Write the abbreviation on the line below the sentence.

1 Doctor Smith used the telescope to see Saturn.

_____

2 Mister Williams adjusted the focus.

_____

3 The tripod was set at 3 meters high.

_____

4 I got my first telescope on Monday, July 12th.

_____

5 The mirrors in a telescope on Mt. Graham in Arizona are each 27 feet wide.

_____

6 Since the observatory is 8 miles from my home, I have to ride the bus.

_____

7 The optical tube on my telescope is 24 inches long.

_____

8 The meteoroids seemed to zip across the sky every 5 seconds.

_____

eyepiece viewfinder optical tube
dew shield
focus knob
tripod legs

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