

Lesson 4 Dwarf Planets and Other Objects

Skim Lesson 4 in your book. Read the headings and look at the photos and illustrations. Identify three things that you want to learn about as you read the lesson. Record your ideas in your Science Journal.


Main Idea

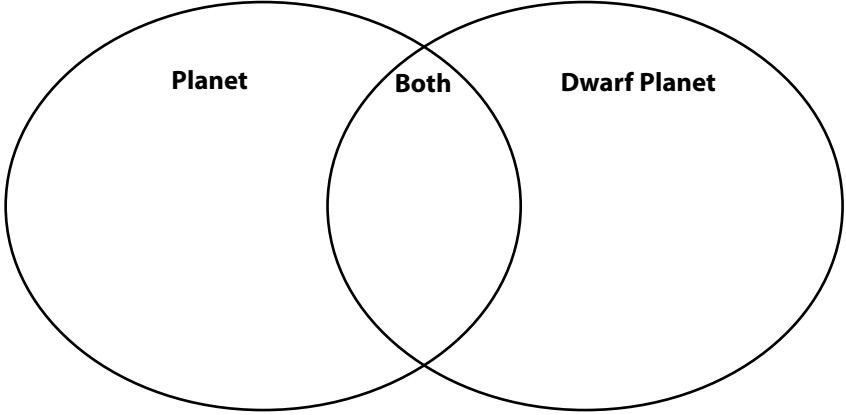
Dwarf Planets
I found this on page _____.

I found this on page _____.

I found this on page _____.

Details

 **Compare and contrast** a planet and a dwarf planet in the Venn diagram below.



Organize information about dwarf planets.

Dwarf Planets			
	Pluto	Ceres	Eris
Location in solar system			
Composition			
Number of moons			

Describe Makemake and Haumea.

Lesson 4 | Dwarf Planets and Other Objects (continued)

Main Idea

Asteroids

I found this on page _____.

Comets

I found this on page _____.

I found this on page _____.

Details

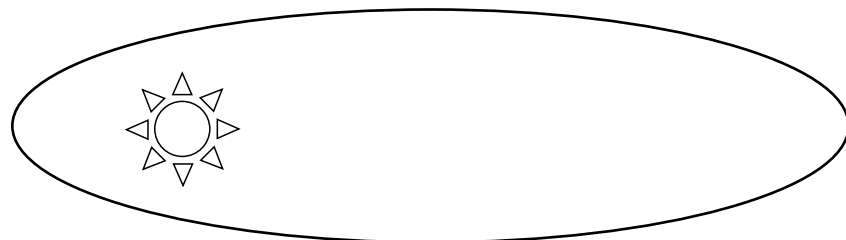
Relate facts about asteroids in the table below

Facts About Asteroids	
Location	
Number	
Description	
Largest (name and size)	

Compare and Contrast asteroids and comets by completing the chart.

Asteroids and Comets	
Same	Different
• _____ _____	• _____ _____
• _____ _____	• _____ _____
_____	_____
_____	_____
_____	_____

Model the structure of comets by adding two comets to the figure below. Draw one comet approaching the Sun and one comet going away from the Sun. Indicate the direction of motion with arrows. Show the comets' comas and dust tails.



Lesson 4 | Dwarf Planets and Other Objects (continued)

Main Idea

I found this on page _____.

Meteoroids

I found this on page _____.

Details


Distinguish information about the source of comets below.


The Kuiper Belt is _____

The Oort Cloud is _____

Analyze the differences between a meteoroid, a meteor, and a meteorite by completing the chart.

Name of Body	What It Is
Meteoroid	
Meteor	
Meteorite	

 **Describe** an impact crater and how one is formed.

 **Analyze It** Which attribute is more important in classifying a solar system object, its size or its composition? Explain.
