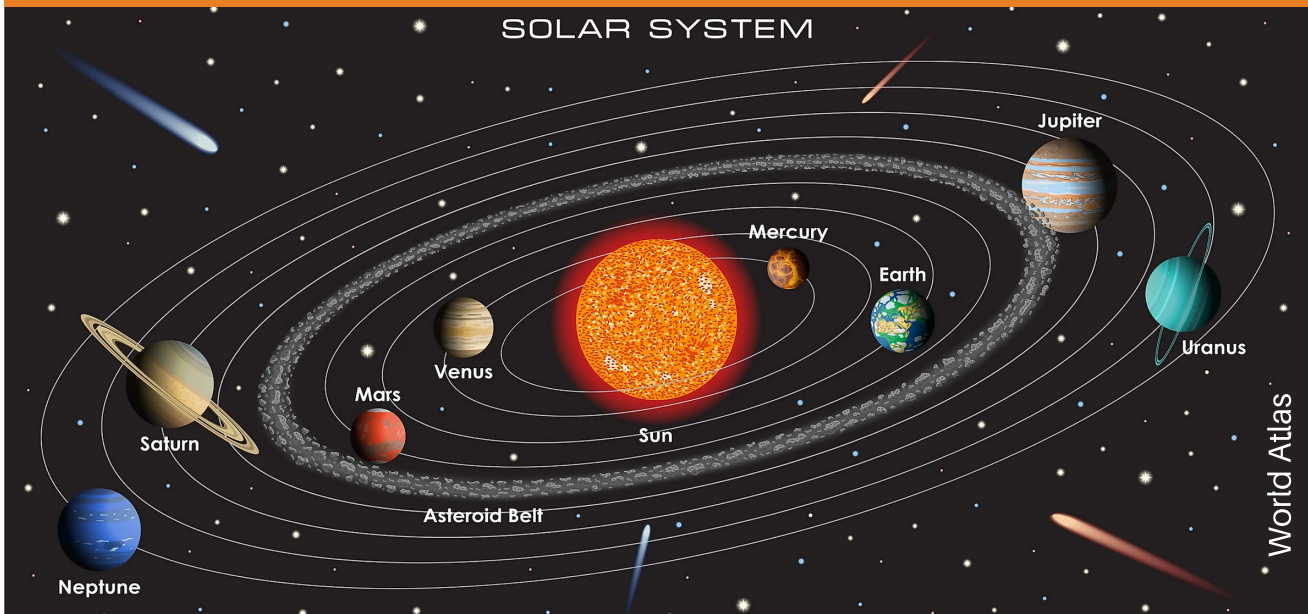


The Solar System



Know Your Solar System

Grades: 3-5

Objective: In these activities, students will develop and use models of Earth's solar system to show the location and order of the planets as they orbit the Sun and the main composition (rock or gas) of the planets.

Sources: Rock Hill Science Education

Solar System Overview

BACKGROUND: Astronomy is the study of objects in our solar system and beyond. A solar system includes a sun, (star), and all other objects that orbit that sun.

ACTIVITY #1: Show students both of the solar system videos below. As they watch each video, ask them to write down 12 things they learn about the solar system. Is there anything they learned from the video that is different from what they expected or originally thought?



Here Comes the Sun
Crash Course Kids 5.1
https://youtu.be/6FB0rDsR_rc



Solar System 101
National Geographic
<https://youtu.be/libKVRa01L8>

ACTIVITY #2: Have students complete and color the Solar System Scramble (see page 2). They should color the planets and interstellar bodies appropriately and mark which planets are terrestrial and which are gas planets.

ACTIVITY #3: Have students read the information here:

<https://www.universetoday.com/33415/interesting-facts-about-the-planets>. They can use the graphic organizer on page 3 to take notes. They should then completed the table on page 4.

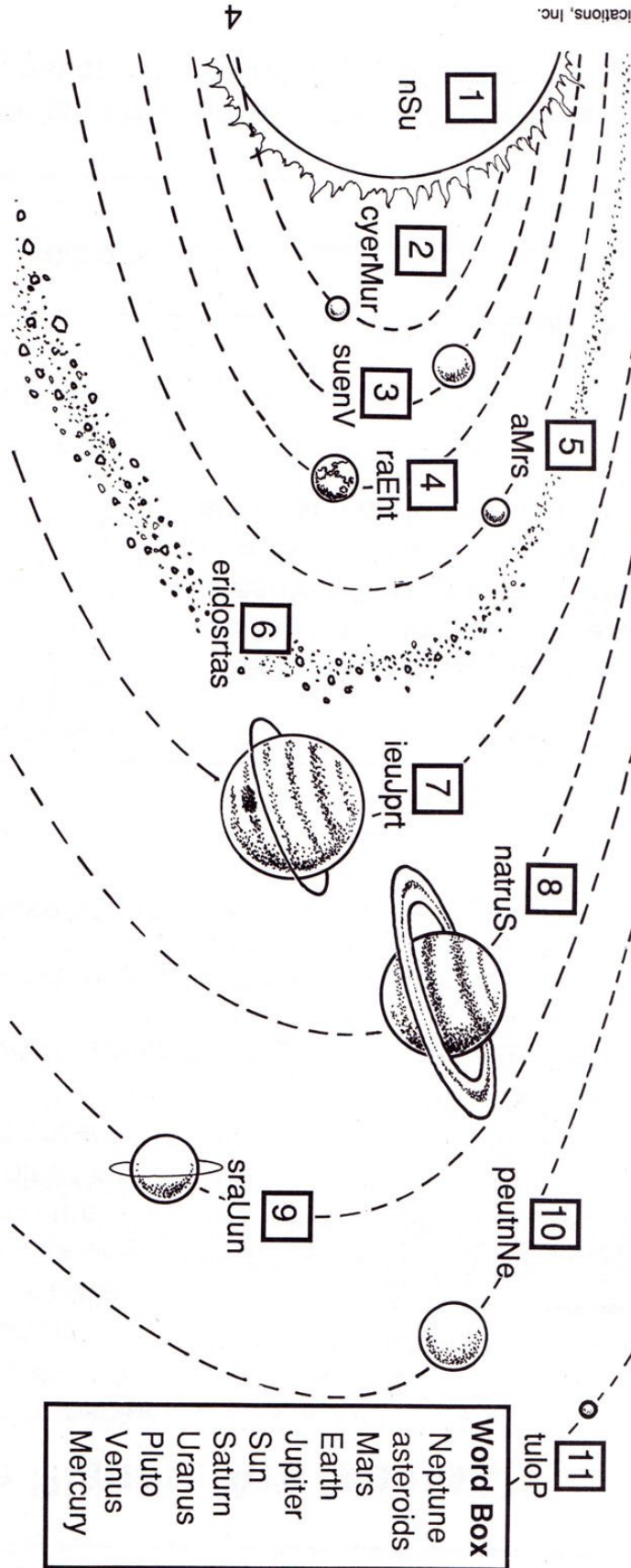
<https://www.sciencerockhill.com/4solarsys.html>
retrieved 05.12.22

Name _____

Skill: Unscrambling words

Solar System Scramble

Unscramble the name of each numbered object below. Write the name on the correct line below.



- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

Brainwork! Turn this paper over and write the names of the nine planets in our solar system.

Name _____

What Did I Learn?

Use this organizer to record the main ideas and important facts from each paragraph.

Paragraph 1
Paragraph 2
Paragraph 3
Paragraph 4
Paragraph 5
Paragraph 6
Paragraph 7
Paragraph 8

Name _____

Planet Name	Number from the Sun	Number of Moons	Terrestrial or Gas Planet?	Fun Facts
Mercury				
Venus				
Earth				
Mars				
Jupiter				
Saturn				
Uranus				
Neptune				