

Planet Data Collection WS

Name: _____ HR: ____

Directions: Use internet research to collect as much information as possible about your planet. If more room is needed, attach another piece of paper. Be sure to list units.

* If you are assigned Mercury, Venus, or Mars: you are required to add many more content, photos, and captions for full credit. **Why?** Students researching gas giant planets have more work to do than you. They have to write about more moons and rings!

Our group is assigned planet _____

<p>Draw the planet's symbol:</p>	<p>Describe how the planet got its name:</p>
<p>Who discovered your planet? When? How? Where?</p>	<p>Distances:</p> <p>Order from the sun:</p> <p>Distance from the sun in AU:</p> <p>in km:</p> <p>Distance from the Earth in AU:</p> <p>in km:</p> <p style="text-align: center;"><small>*AU – Astronomical Units</small></p>
<p>Planet Measurements:</p> <p>Mass:</p> <p>Volume:</p> <p>Equatorial Circumference:</p> <p>Mean Density:</p> <p>Gravity:</p> <p>If you weighed 100lbs. on Earth, how much would you weigh on your planet?</p>	<p>Orbit and Rotation:</p> <p>Number of days to orbit around the sun:</p> <p>Perihelion (how close does it get to the sun?):</p> <p>Aphelion (how far does it get from the sun?):</p> <p>Length of one day (number of hours in one day):</p>
<p>Planet Appearance - Write 3-4 sentences to describe what your planet looks like:</p>	

Rings - Provide information about the rings, number, composition, color, etc):

Satellites (Moons) – List all satellites. Provide a brief description and data when a moon has significant information. Attach another piece of paper if necessary.

Composition – describe the core and surface composition:

Core Composition:

Surface Composition:

Atmosphere – List the major and minor gases:

Major Gases:

Minor Gases:

Surface Conditions:

Wind speeds:

Temperature Ranges:

Surface Pressure:

Weather – Describe what kind of weather occurs on your planet:

Water – What forms of water are found on your planet or on any of the moons?

Exploration – List all human explorations (from satellite probes) to your planet (attach additional paper if necessary). Include satellite name and date:

Habitability – Describe what would happen to a human if they traveled to your planet:

Future Human Travel – What are some problems and solutions to sending humans to your planet:

Terraforming – What modifications would be needed for humans to live on this planet:

List 3 interesting facts about your planet.

Helpful Links for Research (remember that you will need to use several websites to find all of the information):

[Nine Planets](#) - This site offers introductions to the planets, their satellites and other Solar System objects, including asteroids, comets and Kuiper Belt Objects.

[JPL Planets](#) - This site will be useful for our planet research project. It includes the important data for each planet.

[NASA Solar System](#) - This site will also be useful for our planet research project. It includes the important data for each planet and more.

[Enchanted Learning Astronomy](#) - Great site for simple planetary data. This site also has some good images to use with your presentation

[Planet Symbols from NASA](#) - Symbols of all the planets. MOST IMPORTANTLY, there is an explanation of the symbols at the bottom of the page.

[NASA's Celestia Exploration](#) - Planets are listed on the left, click your planet for quick data.

[NASA's Worldbook](#) - Click on your planet from the list for some great information.

[Windows to the Universe](#) - Contains information on all planets.

[National Geographic Virtual Solar System](#) - Not a lot of information but a very cool site! Some features only work on a PC.

[Kids Astronomy](#) - Kid friendly planet data.

[Your Weight On Other Planets](#) - Type in 100lbs. and select your planet to get the answer!

[Grolier Online Encyclopedia](#) - This online encyclopedia is only accessible while you are at school. It is really easy to find information AND images of your planet. Type the name of your planet in the search tool.

[NASA's Photojournal](#) - Tons of pictures for your PowerPoint presentation!

Courtesy of <http://www.mrg-online.com/planet.htm>