

Planet Data Collection WS

Name: _____ Period: _____

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 and use scientific notation with large numbers (ex: $8.2713 \times 10^{14} \text{ km}^3$).

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: right;"><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>

Planet Appearance - Write 3-4 sentences to describe what your planet looks like:

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: