Extreme Environment Data Collection WS Notability

Name:_____

Directions: Using internet research to collect as much information as possible about your Extreme Environment. Be sure to list units and use scientific notation with large numbers (ex: 8.2713×10^{14} km^3).

Draw the planet's symbol:	**Describe how the planet got its name:**
Who discovered your planet? When? How? Where?	**Distances:** **Order from the sun:** **Distance from the sun in AU:** **in km:** **Distance from the Earth in AU:** **in km:** ***AU – Astronomical Units**

Planet Measurements:	Orbit and Rotation:
Mass:	**Number of days to orbit around the sun:**
Volume:	**Perihelion (how close does it get to the sun?):**
Equatorial Circumference:	**Aphelion (how far does it get from the sun?):**
Mean Density:	**Length of one day (number of hours in one day):**
Gravity:	
If you weighed 100lbs. on Earth, how much would you weigh on your planet?	

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.

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: