

Solar System Research

Group: _____ Planet: _____

DIRECTIONS: You and your team have been selected by NASA to participate in a scientific discovery mission researching planets in our Solar System. Research your planet using the guidelines below and be prepared to report your findings to the class digitally or graphically.

1. Where is the planet located in relation to the sun?	
2. What does it look like?	
3. What is the planet composed of?	
4. What atmosphere is there? What elements is it composed of?	
5. What conditions, if any, would allow life as we know it to exist on the planet, now or in the past?	
6. What satellites (moons) does it have? What is the gravity of the planet like?	
7. What rings does it have (if any)?	
8. How big is it in both diameter and mass? How does it compare to the earth?	

Data Table of Information

Write in the information for both Earth and the planet you are researching.

<i>Category</i>	<i>Earth</i>	<i>Our Planet:</i> _____
<i>Distance from the Sun</i>	-	-
<i>Diameter</i>	-	-
<i>Volume</i>	-	-
<i>Mass</i>	-	-
<i>Rotation Period (Complete spin on its axis)</i>	<i>24 hours</i>	-
<i>Revolution Period (Orbit around the Sun)</i>	<i>365.25 days (1 year)</i>	-
<i>Planet Composed mainly of:</i>	-	-
<i>Atmosphere Composed mainly of:</i>	-	-
<i>Presence of Water?</i>	<i>Yes</i>	-
<i>Volcanic Activity?</i>	<i>Yes</i>	-
<i>Number of known moons:</i>	<i>1</i>	-
<i>Surface Temperature:</i>	<input type="text"/> <i>F</i> <input type="text"/> <i>C</i>	<input type="text"/> <i>F</i> <input type="text"/> <i>C</i>
<i>Other Information:</i>		

List the resources you used to gather your information.

BE SURE YOU ARE ACCURATELY REPORTING THE SCALE OF YOUR PLANET IN COMPARISON TO EARTH. HINT: DRAWING, MODEL, DIAGRAM