MC900037212[1] OUR SOLAR SYSTEM  **Name**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Begin your discovery of the planets by writing them in their proper order **from the sun out** (Earth is listed in the correct location).

Use the following websites to begin your journey and fill in the information. Remember these links are live on Blackboard.

**Fact Monster** <https://www.factmonster.com/science/solar-system> **Kids Astronomy** <http://www.kidsastronomy.com/>

**NASA Solar System** <https://solarsystem.nasa.gov/solar-system/our-solar-system/in-depth/>

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **INNER PLANET**  **or**  **Terrestrial** | **Composition**  **(what is the planet made of)** | **Atmosphere**  **(What is the atmosphere made of)** | **Gravity**  **(How much would a 100 pound person weigh on this planet** | **Moons (Number of moons)** | **Temperature**  **&**  **Climate** | **Signs of water or ice** | **Interesting Facts** | **Can**  **Support Life?** |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Earth** |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

Now that you have completed the first page, define terrestrial. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What lies between the inner and outer planets? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**More Solar System Sites: Sea and Sky** [**http://www.seasky.org/**](http://www.seasky.org/) **NASA** [**http://solarsystem.nasa.gov/index.cfm**](http://solarsystem.nasa.gov/index.cfm)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Outer PLANET**  **or**  **Gas Giant** | **Composition**  **(what is the planet made of)** | **Atmosphere**  **(What is the atmosphere made of)** | **Gravity**  **(How much would a 100 pound person weigh on this planet** | **Moons (Number of moons)** | **Temperature**  **&**  **Climate** | **Signs of water or ice** | **Interesting Facts** | **Can**  **Support Life?** |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

Pluto is not on this list of planets. Watch the following clip and answer the following question. You may look at other sources. YouTube:Ask an Astronomer <http://www.youtube.com/watch?v=APPGb-4bp4Q> <https://www.youtube.com/watch?v=9b25dPQ9ORY&list=PLFRlYUhILUhTpq0KwPAU6YlSKwuAMo8UX&index=29&t=0s>

Why is Pluto no longer considered a planet? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**SPACE SITES**

**WEIGHT- Your Weight On Other Worlds** [**https://unctv.pbslearningmedia.org/resource/ess05.sci.ess.eiu.weightworlds/your-weight-on-other-worlds/#.Wvrn6E2ov4g**](https://unctv.pbslearningmedia.org/resource/ess05.sci.ess.eiu.weightworlds/your-weight-on-other-worlds/#.Wvrn6E2ov4g)  **or https://www.exploratorium.edu/ronh/weight/**

**COMPOSITION- If You need to know a planets composition, click here!** [**http://www.eduplace.com/kids/hmsc/activities/simulations/gr3/unitd.html**](http://www.eduplace.com/kids/hmsc/activities/simulations/gr3/unitd.html)

**Great site to begin your exploration** [**http://mrnussbaum.com/space/earth/**](http://mrnussbaum.com/space/earth/)

**ORBITS- Watch the orbits of planets in our solar system** [**http://www.gunn.co.nz/astrotour/?data=tours/retrograde.xml**](http://www.gunn.co.nz/astrotour/?data=tours/retrograde.xml)

**ORBITS & MOONS Fun sits to see orbits and has moon info:** [**http://www.pbs.org/wgbh/nova/space/tour-solar-system.html**](http://www.pbs.org/wgbh/nova/space/tour-solar-system.html)

**Planets For Kids** [**http://www.planetsforkids.org/**](http://www.planetsforkids.org/)

**NinePlanets.org** [**http://nineplanets.org/**](http://nineplanets.org/)

**Ducksters (Lots of planet facts)** [**http://www.ducksters.com/science/earth.php**](http://www.ducksters.com/science/earth.php)

**Astronomy.com (if you need atmosphere, this is the place)** [**http://www.astronomy.com/observing/astro-for-kids**](http://www.astronomy.com/observing/astro-for-kids)

**KidsAstronomy.com** [**http://www.kidsastronomy.com/**](http://www.kidsastronomy.com/)

**Universe Today (Loaded with information...keep scrolling)** [**http://www.universetoday.com/**](http://www.universetoday.com/)

**Space Facts (Lots about Planets)** [**http://space-facts.com/planets/**](http://space-facts.com/planets/)

**Science Kids Space Facts** [**http://www.sciencekids.co.nz/sciencefacts/space/solarsystem.html**](http://www.sciencekids.co.nz/sciencefacts/space/solarsystem.html)

**NASA.gov**

**Solar System exploration** [**http://solarsystem.nasa.gov/index.cfm**](http://solarsystem.nasa.gov/index.cfm)

**Sea & Sky.com** [**Sea and Sky.com**](http://www.seasky.org/)

**Solar Views** [**Solar Views**](http://www.solarviews.com/)

**Mercury & Venus: Extreme Planets:** [**http://www.youtube.com/watch?v=nNOv-vbTY34**](http://www.youtube.com/watch?v=nNOv-vbTY34)

**Astrobiology:** [**http://www.youtube.com/watch?v=kV1ZPzPjiIE**](http://www.youtube.com/watch?v=kV1ZPzPjiIE)

**After you complete your solar system handout, please do the following…**

1. **Look over your Solar System handout. Make a list of 6 qualities of earth that allow it to support life. These qualities are unique to earth.**





8. **Use these sites to define astrobiology in your science notebook.**
9. **Go to BrainPop (username & password is apexmid)**

**-Watch the video on Telescopes. Take the quiz and record your score \_\_\_\_/10**

**-Watch the video on spaceflight. Take the quiz on Spaceflight and record your score \_\_\_\_/10.**

1. **Print out the handout on the sun. Color and label it accurately.**