

Name: _____

Period: ____ #: ____

Solar System Web Quest

Use the following website to answer questions 1 & 2:

<http://coolcosmos.ipac.caltech.edu/ask/62-What-is-Earth-s-location-in-space->

1. Where is our solar system located in the Universe?

2. Where is our solar system located in the Milky Way Galaxy?

3. Use the following websites to compare and contrast the planets in terms of size, features, distance from the sun, and ability to support life. Fill in table below:

http://starchild.gsfc.nasa.gov/docs/StarChild/solar_system_level1/solar_system.html

<http://www.sciencespot.net/Pages/kidzone.html>

<http://nineplanets.org/>

| Planet | Size relative to Earth (Diameter-miles/km) | Surface and Atmospheric features. Include: temp., gases, etc. | Relative distance from the sun (miles/kilometers) | Ability to support life. Why or Why not? |
|-----------------------------|---|--|--|---|
| Mercury | | | | |
| Venus | | | | |
| Earth | | | | |
| Mars | | | | |
| Jupiter | | | | |
| Saturn | | | | |
| Uranus | | | | |
| Neptune | | | | |
| Dwarf Planet - Pluto | | | | |

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4. Use the following website to learn about Comets, Asteroids, and Meteoroids. Fill in the table below.
Kidscosmos.org

<https://solarsystem.nasa.gov/asteroids-comets-and-meteors/overview/>

| Heavenly Body | Meteoroid | Asteroid | Comet |
|---|------------------|-----------------|--------------|
| Composition (what is it made of) | | | |
| Size | | | |
| Orbit | | | |
| Origin | | | |

Use the website <https://www.sciencespot.net/Pages/kdzastronomy.html> to find the answers to these questions.

5. What are constellations?

6. Why do we see different constellations throughout the year?

7. Define (Click on ZOOM Astronomy and then glossary):

a. light year - _____

b. parsec - _____

c. astronomical unit - _____
