

Scale in the Universe Project Scavenger Hunt

Name: _____

Date: _____ Per.: _____

LT: I can explore the variety of objects found in the universe and investigate their characteristics. _____

Using the Google search engine, find the answers to the following questions:

1. Which planets in our solar system have volcanoes?
2. Where in our solar system has water been found?
3. Which planets in our solar system have canyons?
4. Which planet travels fastest around the Sun? _____
5. Which planet in our solar system has the most moons? How many are there?
6. What is the name of the largest asteroid in our solar system? How big is it?
7. Find the names of three planets **not in our solar system**.
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8. What is name of an Earth-like planet that has been discovered and which star does it orbit?
Planet: _____ Star it orbits: _____
9. a. What kinds of stars are there? Name at least four types of stars.
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- b. Which type is our Sun? _____
10. When was the Hubble Space Telescope launched into space? What does it study?

11. List three spacecraft that are currently exploring our solar system and what data they're gathering.

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12. What are two major challenges limiting the ability for humans to travel in space?

13. What is a nebula? What do they have to do with stars?

14. Google any question you have about space and record the question and answer you find.

Question: _____

Answer: _____

A. Select the "Solar System Model" found on "Useful Links (Science)" on Ms. VH's website. Start the model and choose your favorite non-Earth planet and select the "Explore" tab. Record the:

- Rotation Period (how long a "day" is on that planet) = _____
- Solar Orbit Period (how long a "year" is on that planet) = _____
- Average Surface Temperature = _____

B. Continue to navigate around this website. Record three interesting facts you find:

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1. Go to the "Hubble Top 100 Images" website found on "Useful Links (Science)" on Ms. VH's website.

2. Look at the **first 20 images** and answer the following:

- Which image number is the Bubble Nebula? _____
- In the "Magnetic Monster NGC 1275" image, how hot is the gas mentioned? _____
- Which image was your favorite? Why? _____