Space Research

Please copy and paste the questions in a Google doc and then answer the following questions using at least two different websites. Please copy and paste the URLs used for each question.

1. What is a sol, how is it different from a day?

2. Please define the following terms. Include: at least 5 facts about each.

Black holes

Supernovas

Worm holes

Warp speed

Galaxies

3. Please define the following stars. Include: at least 5 facts about each.

Polaris

Betelgeuse

4. What is the Big Bang Theory, what evidence is there that supports the Big Bang Theory?

5. What are the stages in the life of a star, including its formation?

6. How do astronomers know that stars and planets are moving toward the Earth or away? What is the tool/type of telescope that helps them determine this?

Choose at least 2 of the following questions

7. What is the order of the planets? What are considered the gas giants? What are similarities and differences to Earth?

8. What are the ways that astronomers measure large distances? What are the units of measurement and what types of distance do they measure?

9. How can astronomers tell the distances to stars? Describe parallax.

10. Describe how astronomers map out the universe. Describe the celestial sphere and include the types of coordinate points (equivalent to latitude and longitude).