

Name _____ per _____

Exploring the Solar System - Use the questions to help you review. You can use this paper on the test tomorrow, but you must write your answers on the test paper.

1. What are the limits of space exploration? Discuss our present technology and the problems created by the size of the solar system, galaxy and universe.

- A. What kind of spacecraft do we use to explore? What information do they give us?
- B. Why haven't we landed a person on another planet?
- C. How do we observe our solar system and the universe?
- D. What are the main problems with exploring outside of our solar system?

2. Why is it difficult to show a scale model of the solar system?

A. Think about the scales and models we have used in class:

- 1. Kilometers to AU
- 2. Distance of the planets from the sun
- 3. Diameter of the sun and the planets

3. Calculate the distance of the following stars in light years from the sun. Show the formula that you will use. You may use a calculator.

Review the calculations we have been doing in class. If you didn't do the calculations yourself, make sure you practice.