

NAME:

The Universe

1. Give 4 examples of celestial bodies, we can find in the Universe:

a _____ d _____ m _____ s _____

2. What is the difference between a planet and a star?

3. What is the reaction responsible for the light of a star? _____

4. Why are comets visible from Earth when they come close to the Sun?

5. Which is the largest planet in the Solar System? _____

6. Which planets are colder than the Earth? Why?

7. Describe the orbits of the planets (shape and speed).

8. State the third law of Kepler. Specify the meaning of each symbol and its unit.

9. What is the speed of light in km per second? _____

10. a. Give a definition of the light year.

b. Calculate it in km (with 2 significant figures).

11. Which are the hostile conditions in space? (3)

12. Join the model of the Universe to the right scientist :

- Sun at the centre of the Universe with the Earth and other planets moving around it - Hubble
- Earth at the centre of the Universe with the Sun, planets and stars moving around it - Copernicus
- Our Galaxy is just one among billions which are expanding - Ptolemy

2
1.5
1
1.5
1
2
2
2.5
1
1
1.5
1.5
1.5