**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   Period:\_\_\_\_\_\_\_\_   *Space Test Study Guide…Do it!!! It’s a way of life!***

***H1E1* Classify bodies in Solar System (properties and composition)**

**Describe attributes of our galaxy and evidence of multiple Galaxies***.*

**\_\_\_\_1.**Explain why the planets remain in motion around the sun?

**\_\_\_\_2.** What are Solar Winds?

**\_\_\_\_3.** What is a pulsar?

**\_\_\_\_4.** Compare and Contrast the inner and outer planets.

**\_\_\_\_5.** Describe an asteroid.

 \_\_\_\_**6.** What is the difference between a meteoroid and a meteorite?

**Completion** *Complete each statement using the following words. (Not all words used)*

***Asteroid        Kuiper        Distance     Mass     Core        Moons***

***Surface    Size          Rocks          Universe     1    2    3       gravity***

***Astroid        Kuiper        Distance    Mass    Core        Atmospheres***

***Surface   Size         Rocks          Universe     1    2    3       gravity***

***Astroid        Kuiper        Distance    Mass    Core        Atmospheres***

***Surface   Size         Rocks          Universe     1    2    3       gravity***

**7.**  Stars and galaxies are held together by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**8.**  The number of universes known to exist is \_\_\_\_\_\_\_.

**9.** All of the planets in our solar system have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_with the exception of Mercury and Venus.

**10.**Nuclear fusion within the sun takes place within the \_\_\_\_\_\_\_\_\_\_\_\_.

**11.** The \_\_\_\_\_\_\_\_\_\_\_ belt contains perhaps tens of thousands of objects orbiting within about 100 AU of the sun.

**12.**  What two things affect gravity \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**13.**Everything that we can see and observe and is known to exist is called the \_\_\_\_\_\_\_\_\_\_\_\_.

**14.** Draw of diagram that includes the follow things with the Sun in the middle. Be sure to show their order

Andromeda Galaxy
Edge of the Milky Way
Jupiter
Asteroid Belt
Outside edge of the Oort Cloud
Kuiper Belt
Mars

*Put in order from* ***smallest to the biggest*** *Use numbers 1-5. 1 is the smallest*
**15.**\_\_\_\_\_ Our Solar System
**16.**\_\_\_\_\_ Our Sun
**17.**\_\_\_\_\_ Earth
**18.**\_\_\_\_\_ Universe
**19.**\_\_\_\_\_ Milky Way Galaxy

**20.\_\_\_\_\_** Moon

**21.\_\_\_\_\_** Oregon

**22.** Describe 3 different types of stars.

**23.** Draw a picture a picture of each type of galaxy.

**Label features of our Milky Way Galaxy**

35.\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_ billion stars

34.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ LY

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36. Galaxy Type:

a) Spiral

B) Barred-Spiral

C) Elliptical

D) Irregular

**Exceeds**

**24.** Besides shape, what is the difference between an elliptical galaxy and an irregular galaxy?

**25.** Explain the odd and irregular shapes of most asteroids.

**H2E3.  Describe how the universe galaxies, stars and planets evolve over time**

**\_\_\_\_26.** Describe what will happen to the hydrogen and helium in the sun over the next few billion years?

**\_\_\_\_27.**What two forces keep the sun in equilibrium?

\_\_\_\_**28.** How does a planets atmosphere affect its temperature?

**\_\_\_\_29.** What is meant by the statement “The moon is geologically dead”?

**\_\_\_\_30.** What does Hubble’s Law tell us?

**\_\_\_\_31.** What evidence provides support for the big bang theory?

**\_\_\_\_32.** What is dark matter?

**\_\_\_\_33.** How did the moon form?

**\_\_\_\_34.** What object in our solar system “took” almost all the mass when it formed?

**Completion** *Complete each statement using the following words. (Not all words used)*

***Away     Gravity           Energy    White Dwarf        Asteroid       Surface       Rocks***

***Universe Dark Black Hole***

**35.** Redshift shows that a galaxy is moving \_\_\_\_\_\_\_\_\_\_\_ from us.

**36.**\_\_\_\_\_\_\_\_ Energy the force that is causing our universe to expand and accelerate

**37.** What is the major force that causes a nebula to develop into a star? \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**38.** When our Sun “dies” it will turn into a \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_.

**39.** List the steps of the Big Bang Theory

**40.** List the steps in a star’s life cycle

**41.** Draw the steps in the formation of the solar system

**Exceeds**

**42**. What will happen to the amount of galaxies, stars and solar systems in our universe over the next few hundreds of billions of years?