Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Unit 2 Guided Review**

Appointment #3:

1. Number the following events in chronological order according the Big Bang Theory as to how the universe was created.

Extension: What evidence do we have to support this theory ?

\_\_\_\_\_\_ Galaxies Form

\_\_\_\_\_\_ The Spinning Disk

\_\_\_\_\_\_ Planets Form

\_\_\_\_\_\_ The Sun Forms

\_\_\_\_\_\_ Solar Systems Form

\_\_\_\_\_\_ An Explosion

Extension: The sun emits solar winds that are so hot the 4th type of matter: Plasma is created. How is it that the earth does not burn up?

\_\_\_\_\_\_ Our Galaxy Forms

2. What type of heat transfer do we receive from the sun?

a.) radiation b.) conduction

c.) convection d.) electromagnetic rays

Appointment #4:

For questions 3-5, respond with (A) Fission or (B) Fusion:

3. \_\_\_\_\_Nucleus of an atom is split into smaller parts

4. \_\_\_\_\_Two or more atomic nuclei join together

5. \_\_\_\_\_Emits radiation from the sun that warms the earth

6. Compare the following planetary motion terms:

How much time does it take to complete 1 cycle?

Extension: What is the shape of the earth’s orbit? Who discovered this? What direction does the orbit around the sun?

|  |  |
| --- | --- |
| Revolution | Rotation |
|   |  |

Which is caused by the moon’s pull?

Which is caused by the earth’s tilt?

Which creates seasons?

|  |  |
| --- | --- |
| Nutation | Precession |
|  |  |

7. What does the Latin word “equinox” mean? What seasons does this mark?

8. What does the Latin word “solstice” mean? What seasons does this mark?