Astronomy- Unit 1 –

Geocentric vs. Heliocentric and Big Bang Notes

**Geocentric**

1. \_\_\_\_\_\_\_\_\_\_ centered
2. The \_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_, planets all revolve around the \_\_\_\_\_\_\_\_\_\_\_\_\_.
3. Believed until \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AD
4. Early cultures (Aristotle) and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



**Heliocentric**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ centered
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ revolve around the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. Believed from \_\_\_\_\_\_\_\_\_\_\_\_ AD to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, Galileo, Kepler and Newton



Big Bang Theory

1. Theory of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the Universe (theory was made in \_\_\_\_\_\_\_\_\_\_)
2. Matter, time and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ were compressed into an extremely tiny \_\_\_\_\_\_\_\_\_\_\_\_ (very unstable)
3. EXPLODED about \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ years ago.

Questions:

1. What made Galileo believe in Copernicus’ theory of the solar system? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What causes seasons? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. One rotation of the Earth takes how many hours? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What is the shape of the Earth’s orbit around the sun? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. One revolution of the Earth around the Sun takes how many days? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. What two forces allow the Earth to orbit around the Sun? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_