

Name Answer Key

Period _____

Astronomy Study Guide: Due Friday (10/18) or Monday, (10/21) Test date 10/23 or 10/24

1. The Heliocentric Model states that the sun is the center of the universe. Copernicus was the astronomer that first published this theory.
2. The Geocentric Model states that the Earth is the center of the universe.
3. The theory that the universe began with a tremendous explosion / expansion is called the Big Bang Theory.
4. According to the theory, 13.7 billion years ago all the contents of the universe was compressed under extreme pressure, temperature, and density in a very Single point. Then, the universe rapidly expanded.
5. We know the universe is expanding because we can see that the galaxies are Moving Farther away each other.
6. Barred spiral galaxies have a bulge at the center and spiral arms. The spiral arms are made up of gas, dust, and new stars that have formed in these denser regions of gas and dust.
7. Number the following in order from smallest to largest:

4 Universe, 1 Planet, 3 Galaxy, 2 Solar System

8. A Comet is a dust covered ball of ice and rock with a tail.
9. A(n) Asteroid are chunks of rock and metal that are smaller than Earth's moon that live in the belt between Mars and Jupiter.
10. Meteoroids, Meteorites, and Meteors are the same thing (chunks of rock and metal that are smaller than asteroids). The difference is where they are located. You can find meteoroids in space, meteors are found in Earth's atmosphere, and meteorites are found on Earth's surface.

11. Label and draw on the diagram below the following: meteors, meteoroids, meteorites, comets and asteroids in their correct locations.

