

## Planets and the Universe

Name \_\_\_\_\_

1. How old is the universe? \_\_\_\_\_
2. The universe began with a giant explosion called \_\_\_\_\_.
3. What are galaxies?
4. What caused the early gas and dust to form clumps of matter?
5. Describe the number of stars that are in most galaxies.
6. How many stars are in the Milky Way?
7. The Milky Way is a \_\_\_\_\_ galaxy. Describe its shape.
8. The sun is an \_\_\_\_\_-sized star. Why does it look so much bigger and brighter than the other stars in the sky?
9. Mark the position of the sun in the diagram of the Milky Way:



10. Besides the sun, list and describe the other solar system objects.
11. Why is Pluto no longer considered a planet?
12. VIDEO: The sun uses what kind of energy to shine?
13. How did an asteroid affect the lives of dinosaurs?
14. List the names of the planets in order, starting closest to the sun.
15. There are two groups of planets. What are they?
16. Why are the inner planets rocky but the outer planets are large and gaseous?