Study Guide

Chapter 16 - Comets, Asteroids, and Meteors

GPS: S6E1 - Students will explore current scientific views of the universe and how those views volved.

f. Describe the characteristics of comets, asteroids, and meteors.
1 are loose collections of ice, dust, and small rocky particles.
2. The shape of most comets are \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
3. A comet's head consists of a nucleus and a fuzzy outer layer called the
4. As a comet approaches the Sun and heats up, some of its gas and dust stream outward forming a
5. The tail of a Cone always points away from the sun.
6. Asteroids are rocky objects revolving around the sun that are too small and numerous to be considered planets.
7. The asteroid belt is located between and and
8. A chunk of rock or dust in space that come from comets or asteroids
9. Meteoroids usually come from Comets or asteroid.
10. When a meteoroid enters the Earth's atmosphere, it produces a streak of light called a
11. A shooting star is actually a <u>meteor</u> .
12. A meteoroid that hits the Earth's surface is called a <u>Meteorite</u> . 13. Small asteroid-like bodies that became the building blocks of <u>planets</u> are called planetesimals.
14. Life other than that on Earth is called extrataterrestrial life
15. One of the conditions required for life on Earth is
6. Scientists have discovered that life forms on Earth exist in a very wide
17. The hypothesis that Mars may once have had the conditions needed to support life is based in part on <u>Prince</u> of the planet.