

Name: _____

Hour: _____ Date: _____

Chapter 23.4

Minor Members of the Solar System

Asteroids

- ❖ An _____ is a _____, _____ body whose _____ can range from a few _____ kilometers to less than a _____.
- ❖ Most asteroids lie between the orbits of _____ and _____. They have orbital periods of three to six years.
- ❖ They have orbital periods of _____ to _____ years.

Comets

- ❖ Comets are _____ bodies made of _____ and _____ pieces held together by _____ gases. Comets generally revolve about the sun in elongated _____.
- ❖ Coma
 - A coma is the fuzzy, _____ component of a comet's head.
 - A small glowing _____ with a _____ of only a few _____ can sometimes be _____ within a _____. As comets approach the _____, some, but not all, _____ a _____ that extends for _____ of kilometers.
 - Comet's Tail always points _____ from the sun.

Where do Comets come from????

- ❖ (Short Period Comets)-- _____
 - Like the _____ in the _____ solar system, most _____ belt _____ move in nearly _____ orbits that lie roughly in the same plane as the _____.
- ❖ (Long Period Comets)--Oort Cloud
 - Comets with _____ appear to be _____ in all directions from the _____, forming a _____ shell around the _____ system called the _____ cloud.

- ❖ _____ Comet
- The most famous _____-period _____ is _____ comet. Its orbital period is _____ years.
- It passed _____ in _____ and then in _____. It will not pass _____ again until _____.

Meteoroids

- ❖ A meteoroid is a small, solid _____ that travels through _____.
- ❖ A _____ is the _____ phenomenon observed when a _____ enters Earth's _____ and _____ up, popularly called a _____ star.
- ❖ A _____ is any portion of a _____ that reaches Earth's _____.

Where do Meteoroids come from???

- ❖ Most _____ originate from any _____ of the following _____ sources:
 1. _____ debris that was not _____ swept up by the _____ during the _____ of the _____ system.
 2. Material from the _____ belt.
 3. The _____ remains of _____ that once _____ near _____ orbit.