

# Nov 10, 2011

- 1) Notes on various minor bodies
- 2) Minor Bodies Video/Quiz

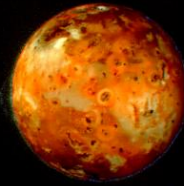
Warm-up:

The odds of being killed by space debris are 1 in \_\_\_\_\_ billion.

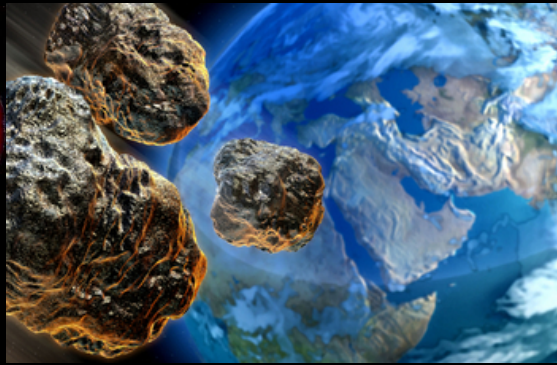
5



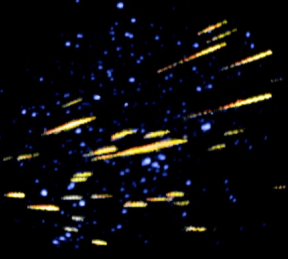
## Other Objects in the solar system



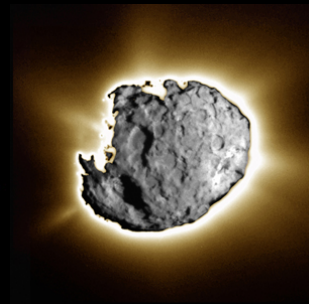
Moons



Asteroids



Meteors and Meteorites



Comets

## Planetary Moons

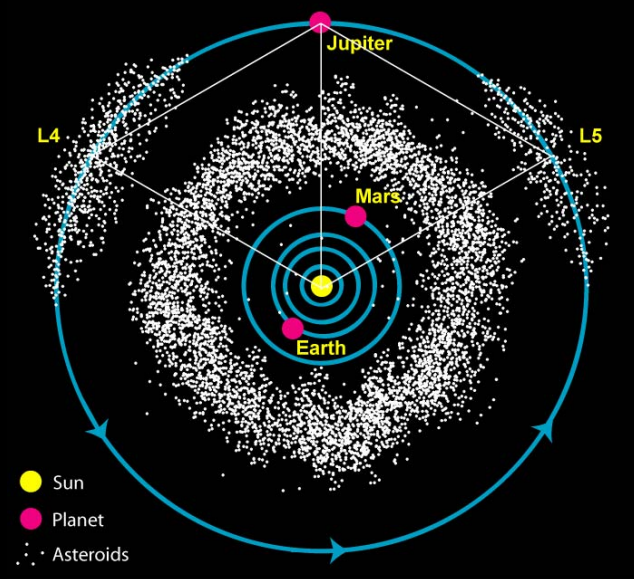
satellites are large natural objects that revolve around the planets

the most famous satellite is earth's moon. It has no atmosphere and its surface is filled with craters, hills and valleys.

Some planets have no moons while others have several i.e. Jupiter has 16 known. (see table 1 pg 430 )for a list of planets and numbers of known moons

Future space probes may reveal more moons in our solar system

# Asteroids



asteroids are small rocky objects

a ring of asteroids is called an asteroid belt

some asteroids share Jupiters orbit, others are closer to Earth.

## Meteors and Meteorites

A meteoroid is a lump of rock and metal trapped by Earth's gravity and pulled down to earth's atmosphere. (large ones are caused by asteroids in Earth's orbit that cross Earth's orbit, smaller caused by debris left behind by comets)

A meteor is a bright streak of light seen across the night sky (caused by rubbing of molecules getting hot and vaporizing)

A meteorite occurs when meteoroids are large enough and hit the surface of the Earth.



# Comets

A comet is a chunk of frozen matter that travels in an orbit around the sun.

most of the time orbiting comets are far out in the solar system, but as it gets closer to the sun it is warmed and the gases are heated causing it to become more visible.

There are many comets that have regular revolutions around the sun i.e. Halley's Comet has a revolution of 76 years. It was last seen in 1986.

Complete Questions  
pg 433: #1,2,4,5