• FOR DISCUSSION

• Review Session
  – Wednesday 25 March, 8:15 PM
  – Domed Theater

• Second Hour Exam
  – Monday 30 March, 7:00 PM
  – Domed Theater
IQ

- A meteor shower occurs when the Earth passes through the orbit of a “dead comet.”

- T
- F
IQ

- T. It is true!

- As a comet passes the sun, the ices in the nucleus are heated, vaporized, and appear as the gas tail of the comet.

- After enough passes, there are no gasses left, only the “gravel” of the original “dirty snowball”

- The “gravel” continues to orbit the sun, and when the Earth intersects the orbit, it produces many meteors – a meteor shower!
• Test Monday!
• Chapters 7 - 15
• Use your test for drawings, notes, etc.
• Think things through – and “put yourself in the problem!”
• Jupiter radiates more heat than it receives from the Sun.

• T
• F.
IQ

- True!

- Jupiter radiates infrared radiation (heat) at about twice the rate that the Sun heats the planet!

- The planet is still contracting, thus generating energy.
The Galilean satellites of Jupiter exhibit BOTH rotational and orbital resonances.

T
F
• Each of the four Galilean satellites is in synchronous rotation.
• The inner three moons exhibit 1:2 and 1:4 orbital resonances, as well!
• An asteroid can be described as a “dirty snowball.”

• T

• F
• F! False.

• Asteroids are rocky bodies, most of which orbit between Mars and Jupiter.

• Asteroids typically have irregular shapes and craters resulting from many collisions with other asteroids.