Test Review Sessions: Monday 19 April from 4:30 PM until 6:00 PM, and Tuesday 20 April from 5:00PM until 6:30PM, Physics & Astronomy Room 190

Test 3 Review Session: Monday 19 April immediately after class

Final – REQUIRED
- Monday, 10 May, Domed Theater, 7:45 PM – 9:45 PM
- Chapters 23 through 27 (First 25 questions)
- Comprehensive (Next 75 questions)
26 April, 2010: Friends and Family Night

Live Music, Dome Program, The Sky Tonight, Observing with the 16-inch Meade Telescope
IQ

- The Milky Way is a spiral galaxy.

- T
- F
IQ

- T. It is true!
- The Milky Way looks a lot like M-31, the Andromeda Galaxy that some of you observed at the UNM Campus Observatory!
IQ

- Our sun lies almost exactly in the center of the Milky Way.
  - T
  - F
False! (How could we get images of the Galactic center if we lived there?)

The sun lies in the plane of the Milky Way, but 8000 pc from the center.
• Star formation is associated with the spiral arms of spiral galaxies.

• T

• F
IQ

• True!

• The spiral arms of spiral galaxies are density enhancements that stimulate condensations and compression leading to new star formation.
The two major galaxy types are spirals (right) and ellipticals (left).
IQ

What type of object is believed to reside in the core of many, and possibly all, galaxies?

A. A red 1957 Ford Galaxy
B. Carrot Top
C. Jabba the Hut
D. A supermassive black hole, but not Jabba the Hut
• Million to billion solar mass black holes are found in the centers of galaxies.

• For those who must know: the one and one too many Carrot Top resides in Boca Raton.
The best place to look for a galaxy is next to another galaxy.

- T
- F
• T. True!

• Galaxies love to cluster!

• The local universe is dominated by structure caused by the clustering of galaxies.
IQ

- Quasars are powered by massive black holes in the cores of galaxies.

- T
- F
• T! It is true.

• The host galaxies for quasars have been imaged.
Galaxy collisions are a myth.

- $T$
- $F$
• **F. False!**

• Galaxies are notoriously bad drivers.

• A long-range force (gravity) seems to bring them together!