This is ASTR430

Syllabus Stuff

Chapter 1

Contents of the Solar System

ASTR430 in the News!

The New York Eimes FORM FORMAL SUPERAL FUND Country of Mark Parking Nutry Name

Fearless U. Maryland Astronomy Students Save Beloved Professor from Rabid Tick Attack



OCCUPATION AND ADDRESS OF

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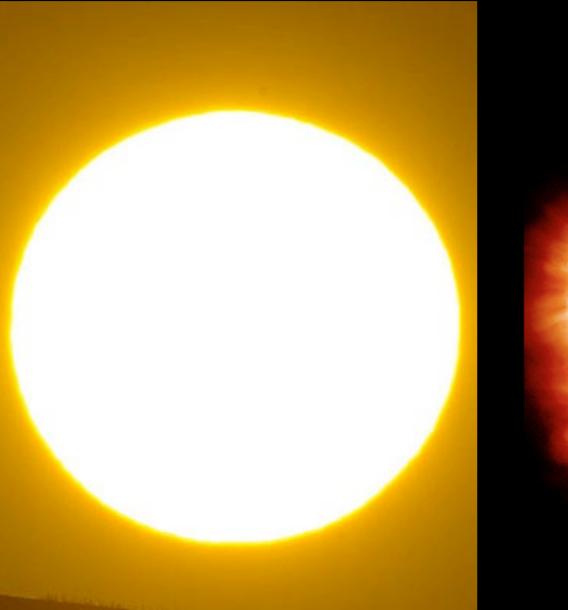
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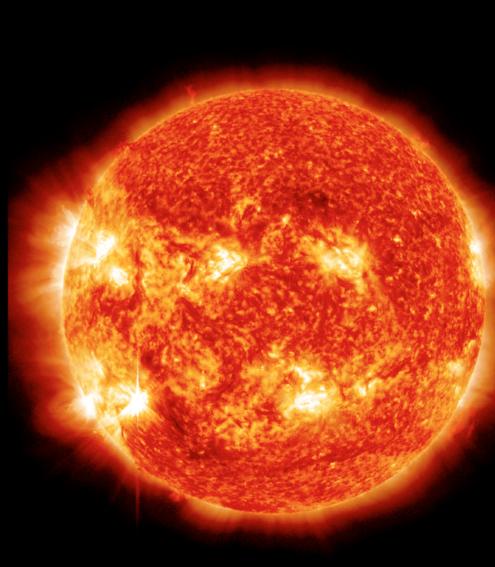
How Much Do You Remember?

- 1. Giant Planets
- 2. Mercury and Mars
- 3. Venus and Earth
- 4. Pluto
- 5. Asteroids and Comets

- 6. Moons of Jupiter
- 7. Moons of Saturn
- 8. Moons of Uranus/Neptune
- 9. Kuiper Belt and Oort Cloud
- 10. The Sun

The Sun

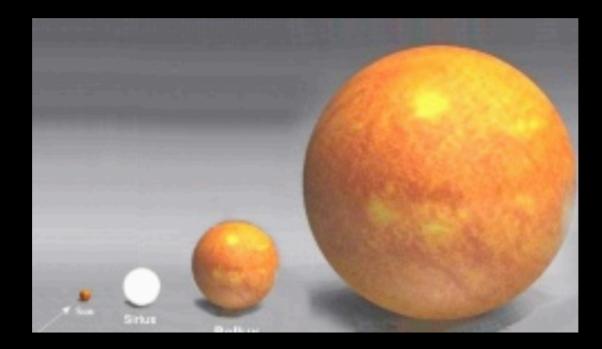




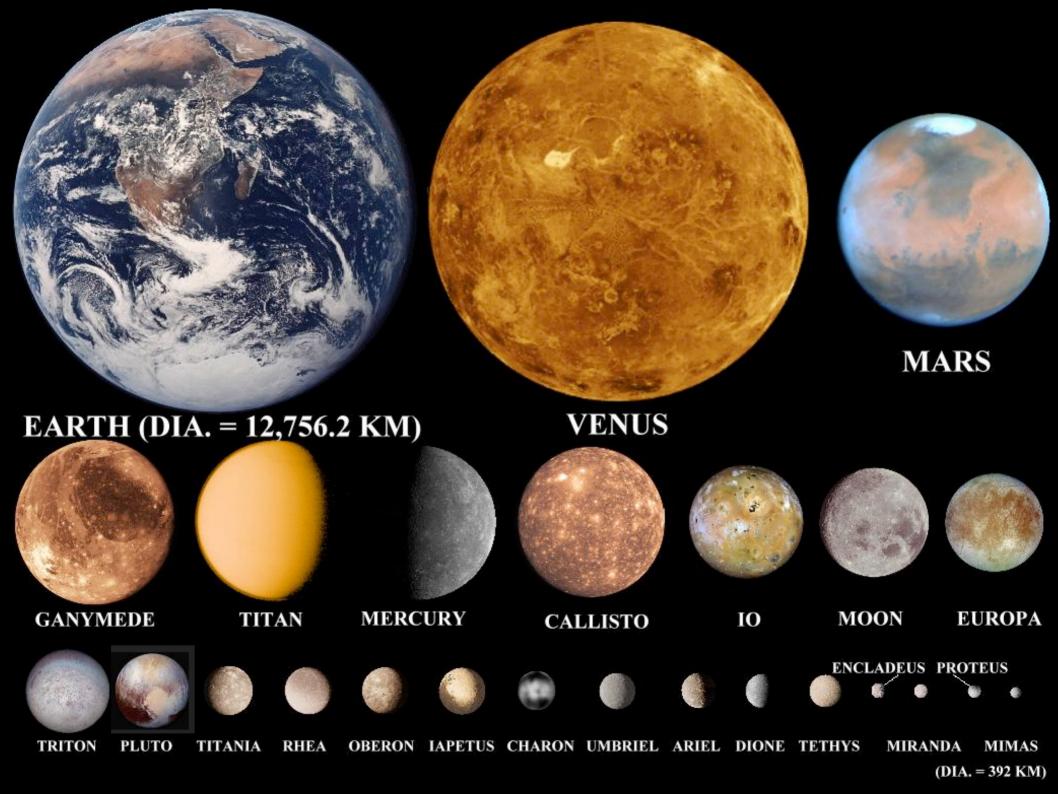
Relative Sizes of Objects



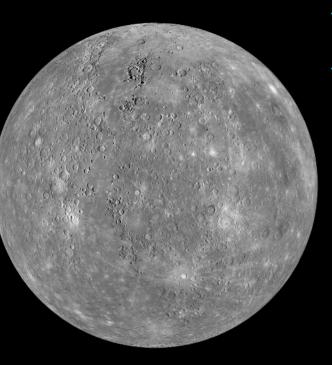
Which of these stars are more massive than the Sun?



Sirius, a blue giant
Next one, a red giant
Next one, a bigger red giant

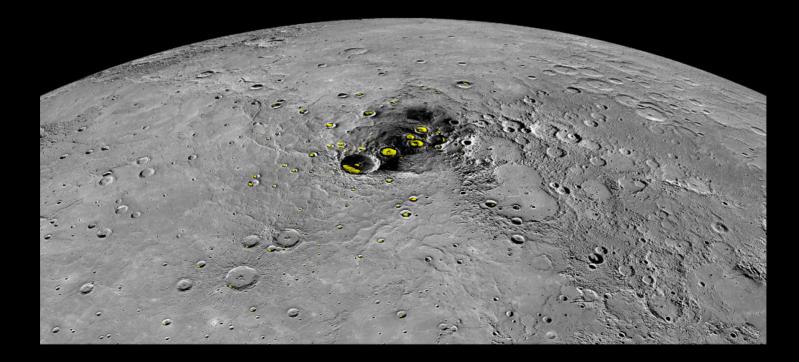




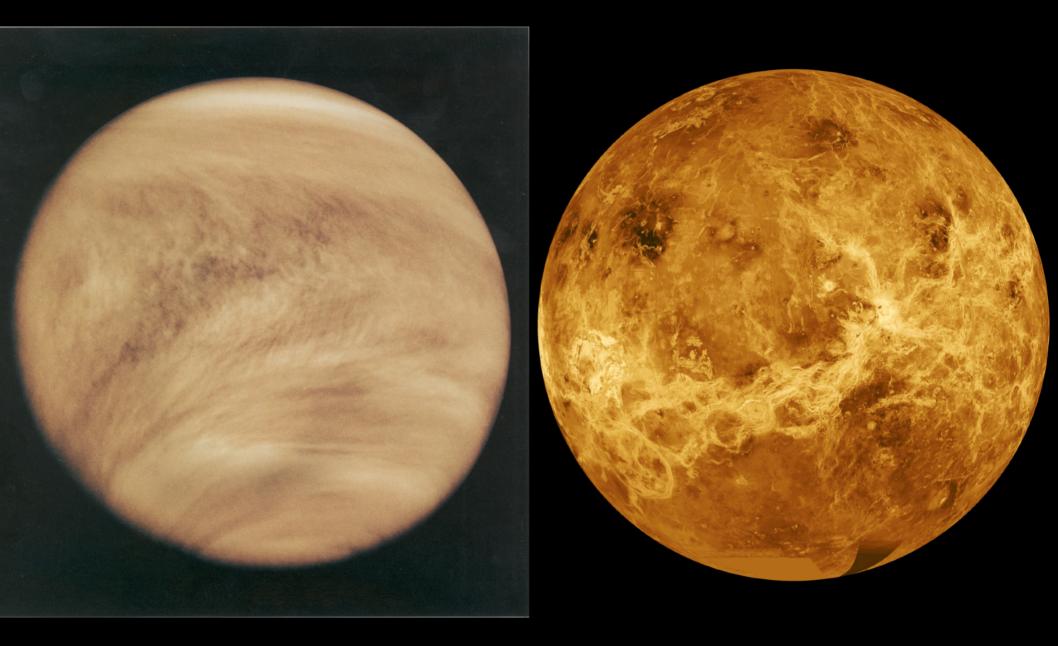


Mercury





Venus

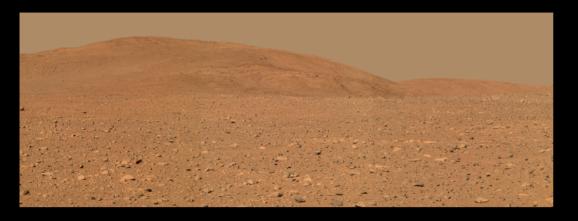




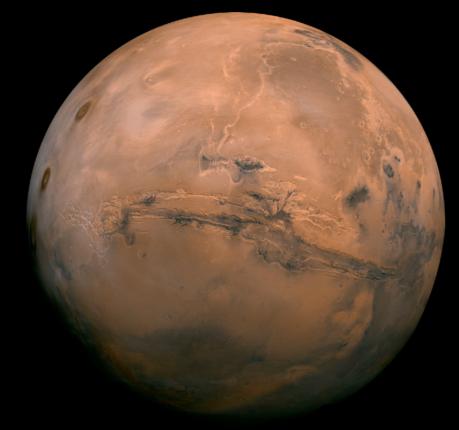
Earth

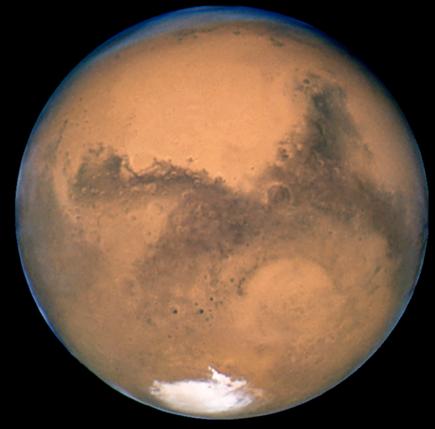


Mars







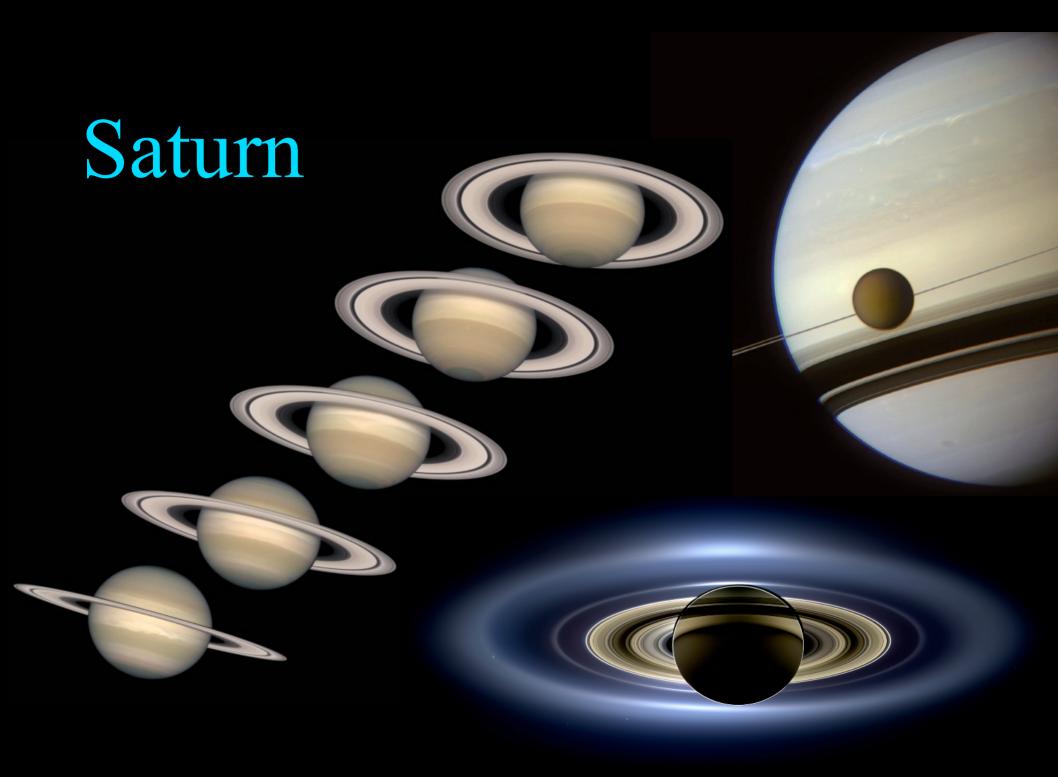


Jupiter

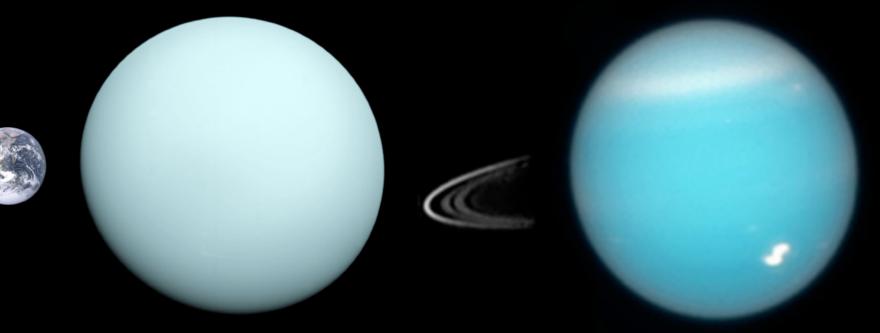








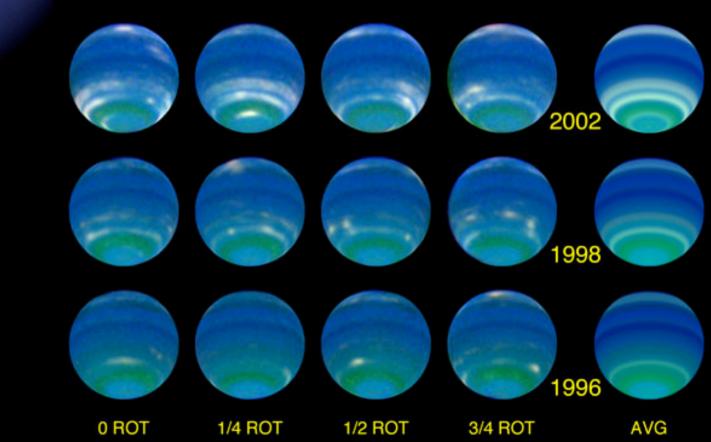
Uranus





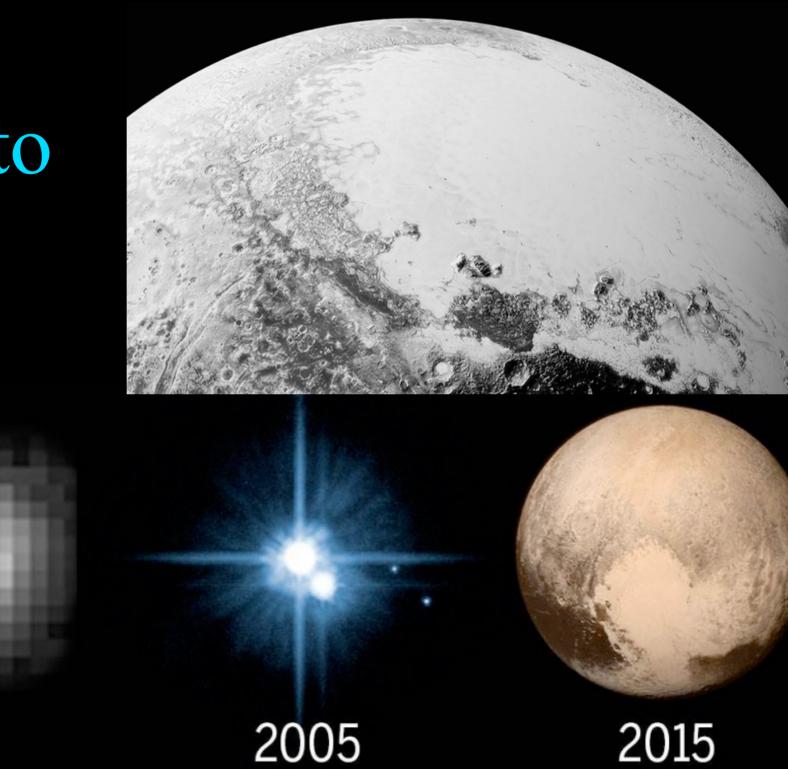


Neptune

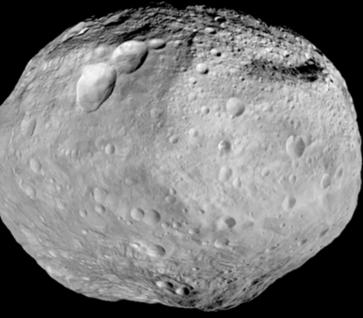


Pluto

1996



Asteroids



Vesta





Comets



Kepler's Laws

1. The planets move along elliptical orbits with the Sun at one focus.

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3. The period and semi major axis of a planet are related by $P^{2}=a^{3}$.

Question Generator

1. Ask one ASTR430 question of your group. Talk about the questions and choose an interesting one to bring forward.