

♄ Saturn



Exploration of Saturn

Now - *Cassini* currently in orbit



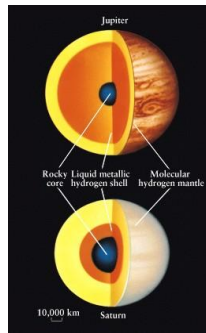
Huygens probe

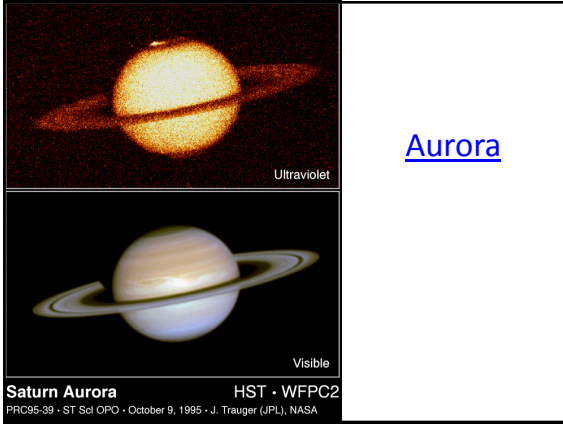


Jupiter's Twin?

Similar to Jupiter but less -

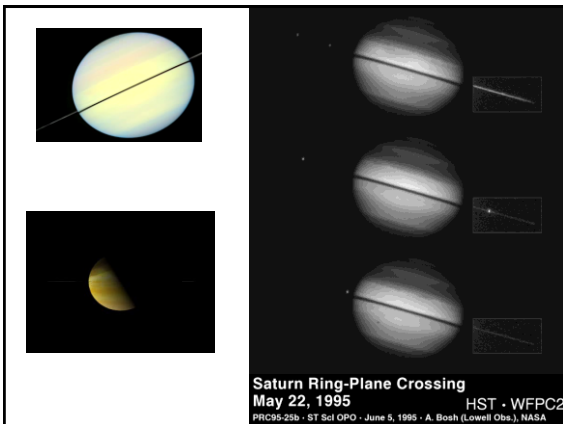
- Less mass
- Less gravity
- Less dense (lowest density planet)
- Less distinct cloud features
- Less (weaker) magnetic field

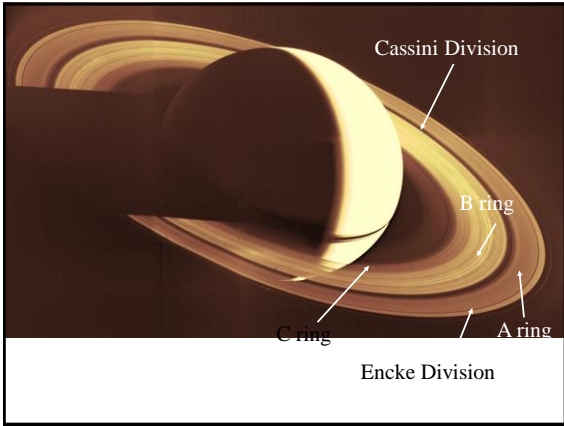


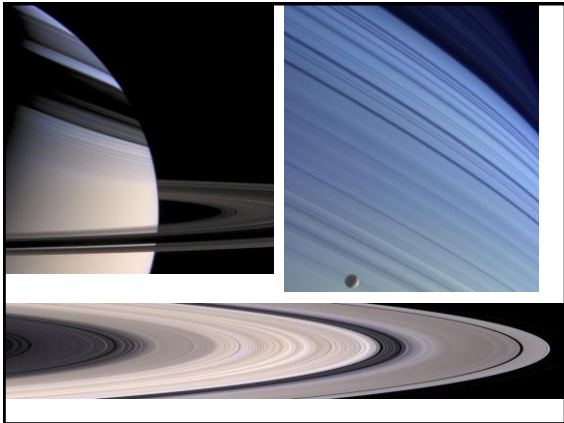


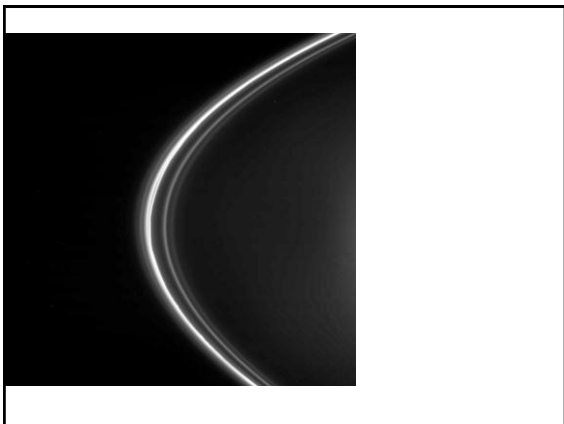
Aurora



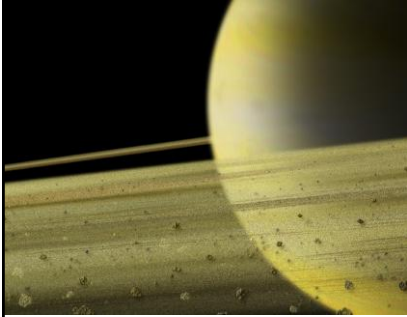






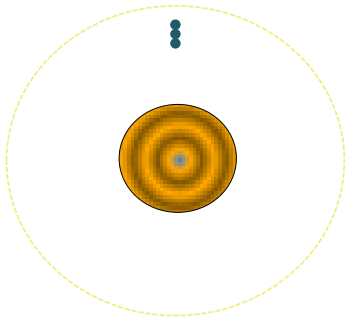


Inside the Rings



Icy blocks
Microscopic to
house-sized
Why are there
rings?

Roche Limit

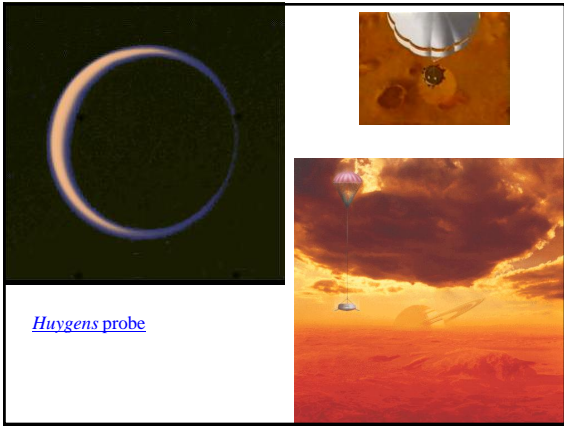


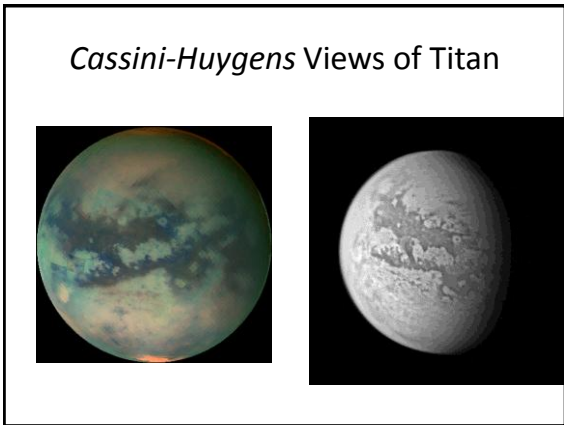
Titan - The "Earthlike" Moon?

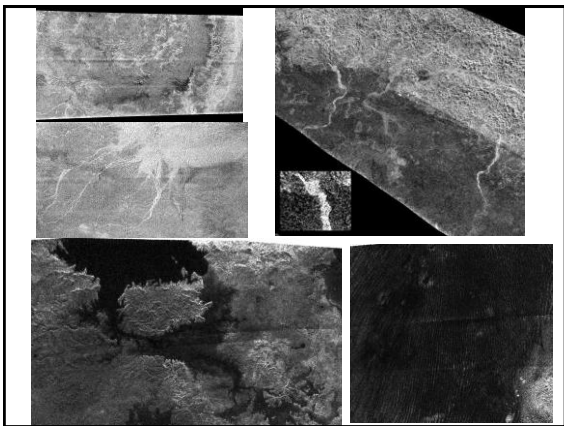


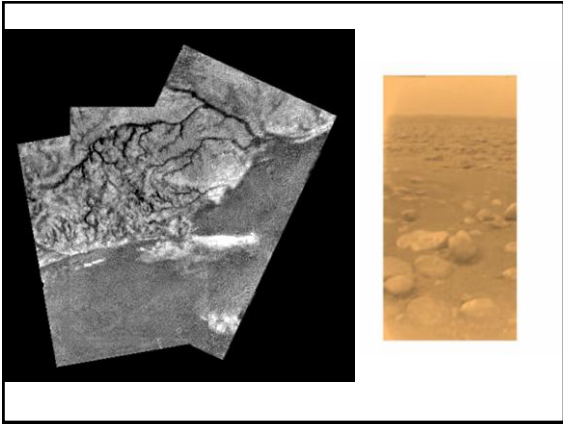
It has an atmosphere!
1.6 x Earth's pressure
Nitrogen rich
Some methane, ethane
Very cold

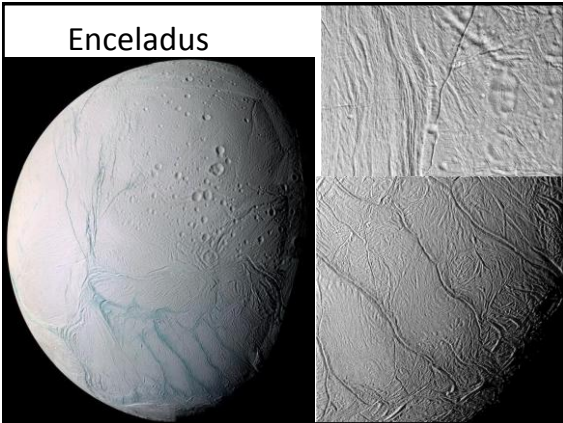
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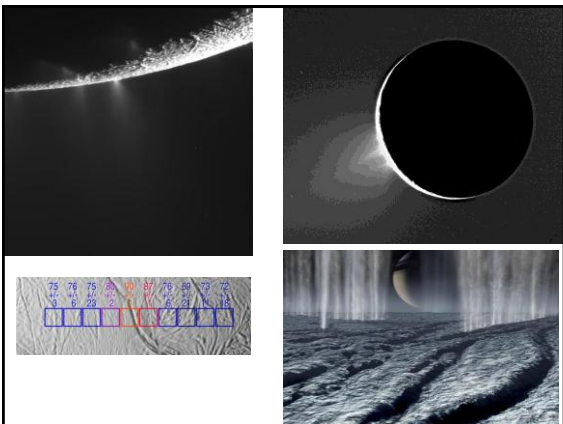


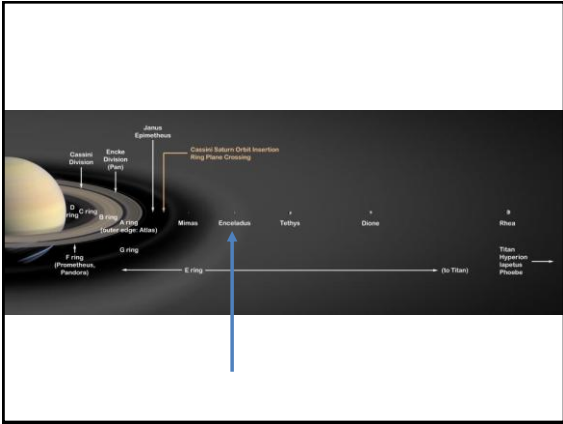












Other Moons

- Craters
- Icy surface
- Some resurfacing

A photograph of Saturn showing its rings and the planet's banded surface.





