

## Contents of Solar System

Object

Jupiter

Comets

Asteroids

Cosmic dust

All other planets

Satellites & rings

Sun

% Total Mass

99.8

0.1

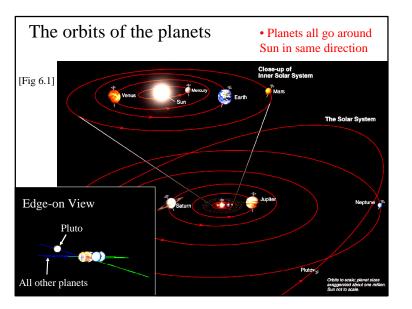
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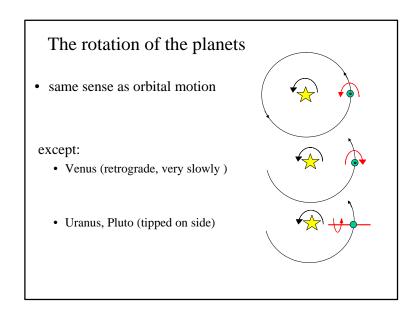
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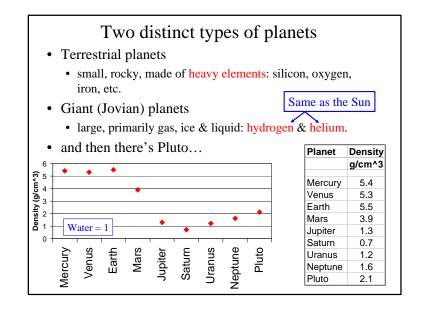
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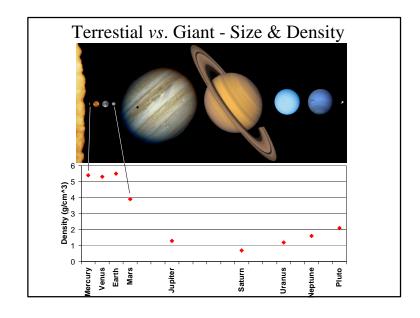
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- Sun
- 9 planets
- Moons
- Asteroids
  - · rocky mini-planets
  - up to a few 10's of km diameter
  - · mostly in orbits between Mars and Jupiter
- Comets
  - icy
  - spend most of time at fringes of Solar System.
- Dust (==> meteorites)









Planet	Known Moons*	Rings?
Mercury	0	
Venus	0	
Earth	1	
Mars	2	
Jupiter	63	Yes
Saturn	33	Yes
Uranus	27	Yes
Neptune	13	Yes
Pluto	1	
	* Nine Planets web site	

## Q

- You plan to land and visit a planet. You cannot land and walk on
  - a. Mercury
  - b. Venus
  - c. Mars
  - d. Jupiter
- 2. Even if you landed, you would be crushed on (same choices)
- 3. If you lived on \_\_\_\_, you would be a few years old.
- 4. If you lived on \_\_\_\_, you celebrate your birth more than once a day.

Planet	Orbit	Rotation	
Mercury	88da	58da	
Venus	225da	243da	
Earth	1yr	1da	
Mars	1.88yr	1da	
Jupiter	11.9yr	9.9hr	