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Astronomy #3 - Planetary Comparisons Use the Solar System Data Chart to answer the questions below.

Got It!	Not Yet		
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Solar System Data

Celestial Object	Mean Distance from Sun (million km)	Period of Revolution (d=days) (y=years)	Period of Rotation at Equator	Eccentricity of Orbit	Equatorial Diameter (km)	Mass (Earth = 1)	Density (g/cm ³)
SUN	v <u>—</u>		27 d	_	1,392,000	333,000.00	1.4
MERCURY	57.9	88 d	59 d	0.206	4,879	0.06	5.4
VENUS	108.2	224.7 d	243 d	0.007	12,104	0.82	5.2
EARTH	149.6	365.26 d	23 h 56 min 4 s	0.017	12,756	1.00	5.5
MARS	227.9	687 d	24 h 37 min 23 s	0.093	6,794	0.11	3.9
JUPITER	778.4	11.9 y	9 h 50 min 30 s	0.048	142,984	317.83	1.3
SATURN	1,426.7	29.5 y	10 h 14 min	0.054	120,536	95.16	0.7
URANUS	2,871.0	84.0 y	17 h 14 min	0.047	51,118	14.54	1.3
NEPTUNE	4,498.3	164.8 y	16 h	0.009	49,528	17.15	1.8
EARTH'S MOON	149.6 (0.386 from Earth)	27.3 d	27.3 d	0.055	3,476	0.01	3.3

1. Italik the mass of the o planets from the the smallest (o) to	o the largest mass (L).
(S),,,,,,,,,,	(L)
2. What do the planets with the MOST mass have in common with ea	ach other?
3. What are the four most dense planets in our solar system? and	
4. Are the most dense planets the Inner or Outer Planets?	
5. Earth has similar characteristics to Venus. Name two based on th	is chart.
and	
6. What planet has the longest period of revolution? can you give for this?	
7. Which planet in our solar system has the fastest period of rotation	on?
8. What body in our solar system is the largest?to determine this?	_ What data did you use