Name	Date	Hour	
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Astronomy #3 - Planetary Comparisons ALTERNATE

Got It!	Not Yet		
8-6	5 -0		

Use the Solar System Data Chart to answer the questions below.

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/cm³)
SUN	_	<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. Rank the 8 planets from the the LARGEST to the SMALLEST	mass.
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2. What do the planets with the SMALLEST mass have in common with	each other?
3. What are the four LEAST DENSE planets in our solar system?	,
4. Are the LEAST dense planets the Inner or Outer Planets?	
5. Earth's twin is Venus, what is a characteristic in which they are NOT	similar
6. What planet has the SHORTEST period of revolution? can you give for this?	
7. Which planet in our solar system has the SLOWEST period of rotation	on?
8. What body in our solar system is the smallest?\ to determine this?	What data did you use