

## PLANETARY DATA

Planet	Approx. Distance from Sun (millions of km)	Approx. Diameter (km)	Approx. Rotation Period	Approx. Revolution Period	Approx. Orbital Speed (km/s)
Mercury	58	4 880	59 days	0.2 year	48
Venus	108	12 104	243 days	0.6 year	35
Earth	150	12 756	24 hours	1 year	30
Mars	228	6 787	24.6 hours	1.9 years	24
Jupiter	778	142 800	10 hours	11.9 years	13
Saturn	1 427	120 000	11 hours	29.5 years	10
Uranus	2 870	51 800	17 hours	84 years	7
Neptune	4 497	49 500	16 hours	164.8 years	5

*Refer to the table above to answer the following questions.*

1. List the planets in order:

(a) from the sun \_\_\_\_\_  
\_\_\_\_\_

(b) from smallest to largest diameter \_\_\_\_\_  
\_\_\_\_\_

(c) from slowest to fastest orbital speed \_\_\_\_\_  
\_\_\_\_\_

2. In terms of astronomy, what is a 'day' on Earth? \_\_\_\_\_  
\_\_\_\_\_

3. In terms of astronomy, what is a 'year' on Earth? \_\_\_\_\_  
\_\_\_\_\_

4. Which planet has the shortest 'day' (that is, shortest rotation period)?  
\_\_\_\_\_

5. Which planet has the longest 'day' (that is, longest rotation period)?  
\_\_\_\_\_

6. Which planet has the shortest 'year' (that is, shortest revolution period)? \_\_\_\_\_
7. Which planet has the longest 'year' (that is, longest revolution period)? \_\_\_\_\_
8. In the space below, draw a bar graph showing the Orbital Speeds. The names of the planets is on the horizontal axis and the orbital speeds is on the vertical axis.