

Photocopy these tables and distribute them to students for use during the Additional Activity Ideas. Use any of the data tables to create your own activities, warm-ups, or exit activities!

Atmospheric Gases by Planet (%)

	Mercury	Venus	Earth	Mars	Jupiter	Saturn	Uranus	Neptune
Carbon Dioxide		96		95				
Nitrogen		4	78	2.7				
Oxygen	42		21					
Argon			1	1.6				
Methane							2.3	1
Sodium	22							
Hydrogen	22				89.8	96.3	82.5	80
Helium	6				10.2	3.2	15.2	19
Other	8		<1	<0.7		0.5		

Distance between Sun and Earth

	Distance (km)
Mean	149.6 x10 ⁶
Minimum	147.1 x10 ⁶
Maximum	152.1 x10 ⁶

Distance of Orbit Around Sun

	Mercury	Venus	Earth	Mars	Jupiter	Saturn	Uranus	Neptune
Metric (km)	57,909,227	108,209,475	149,598,262	227,943,824	778,340,821	1,426,666,422	2,870,658,186	4,498,396,441
English (miles)	35,983,125	67,238,251	92,956,050	41,637,725	483,638,564	886,489,415	1,783,744,300	2,795,173,960
Scientific Notation (km)	5.7909227×10^7	1.0820948×10^8	1.4959826×10^8	2.2794382×10^8	7.7834082×10^7	1.4266664×10^9	2.8706582×10^9	4.4983964×10^9
Astronomical Units (AU)	0.38709927	7.2333566×10^{-1}	1.000	1.523662	5.2028870	9.53667594	1.9189165×10^1	3.0069923×10^1

Equatorial Circumference

	Mercury	Venus	Earth	Mars	Jupiter	Saturn	Uranus	Neptune
Metric (km)	15,329.1	38,024.6	40,030.2	21,296.9	439,263.8	365,882.4	159,354.1	154,704.6
English (miles)	9,525.1	23,627.4	24,873.6	13,233.3	272,945.9	227,348.8	99,018.1	96,129.0
Scientific Notation (km)	1.53291 x 10 ⁴	3.80246 x 10 ⁴	4.00302 x 10 ⁴	2.12969 x 10 ⁴	4.39264 x 10 ⁵	3.65882 x 10 ⁵	1.59354 x 10 ⁵	1.54705 x 10 ⁵
Compared to Earth	0.383 x Earth	0.9499 x Earth	1	0.532 x Earth	10.9733 x Earth	9.1402 x Earth	3.9809 x Earth	3.8647 x Earth

Planet Density

	Mercury	Venus	Earth	Mars	Jupiter	Saturn	Uranus	Neptune
Density (metric) (g/cm³)	5.427	5.243	5.513	3.934	1.326	0.687	1.270	1.638
Density compared to Earth	0.984 x Earth	Comparable to the average density of the Earth.	1	0.714 x Earth	0.241 x Earth	0.125 x Earth	0.230 x Earth	0.297 x Earth

Planet Gravity

	Mercury	Venus	Earth	Mars	Jupiter	Saturn	Uranus	Neptune
Gravity (metric) (m/s²)	3.70	8.87	9.80665	3.71	24.79	10.4*	8.87	11.15
By comparison	If you weigh 100 pounds on Earth, you would weigh 38 pounds on Mercury.	If you weigh 100 pounds on Earth, you would weigh 91 pounds on Venus.	1	If you weigh 100 pounds on Earth, you would weigh 38 pounds on Mars.	If you weigh 100 pounds on Earth, you would weigh 253 pounds on Jupiter.	If you weigh 100 pounds on Earth, you would weigh about 107 pounds on Saturn (at the equator). *Derived from a 1 bar radius of 60,268 km.	If you weigh 100 pounds on Earth, you would weigh 91 pounds on Uranus.	If you weigh 100 pounds on Earth, you would weigh 114 pounds on Neptune.

Planet Volume

	Mercury	Venus	Earth	Mars	Jupiter	Saturn	Uranus	Neptune
Metric (km³)	60,827,208,742	928,415,345,893	1,083,206,916,846	163,115,609,799	1,431,281,810,739,360	827,129,915,150,877	68,334,355,695,584	62,525,703,987,421
English (miles³)	14,593,223,446	222,738,684,740	259,875,159,532	39,133,515,914	343,382,767,518,322	198,439,019,647,006	16,394,283,780,641	15,000,714,125,712
Scientific Notation (km³)	6.08272 x 10 ¹⁰	9.28415 x 10 ¹¹	1.08321 x 10 ¹²	1.63116 x 10 ¹¹	1.43128 x 10 ¹⁵	8.2713 x 10 ¹⁴	6.83344 x 10 ¹³	6.25257 x 10 ¹³