

Comparing Pressure

Compare your predictions to the actual pressure difference between Mount Everest and the Mariana Trench. Refer to the data below as you create a visual model of pressure at various locations on Earth.

Location	Elevation (approximate)	Pressure (average)
Challenger Deep in the Mariana Trench	7 miles below sea level	16,000 psi
The wreckage of the Titanic	2.4 miles below sea level	6,000 psi
Sea level	0 miles above sea level	14.7 psi
Mount Everest	5.5 miles above sea level	4.5 psi

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**Note that air pressure is usually measured in Pascals (Pa), millibars, or standard atmospheres, but has been converted here to pounds per square inch (psi) to make it easier to compare.*