

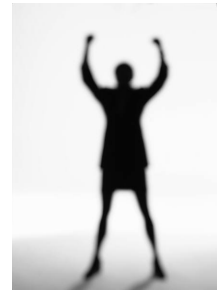
Atmospheric Pressure

Atmospheric Pressure- _____

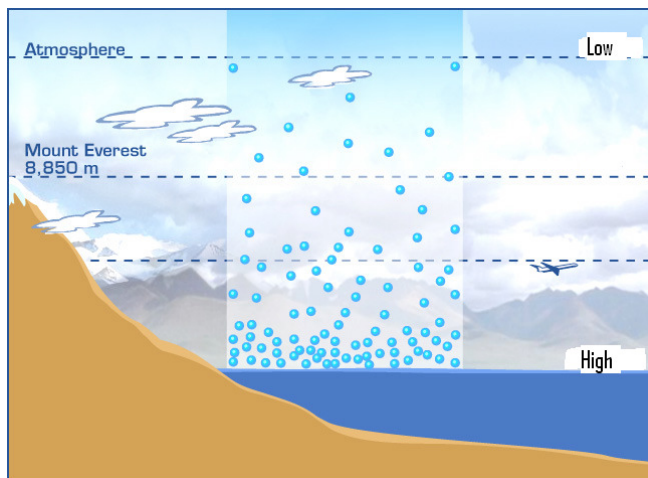
Atmospheric Pressure is commonly measured in the following units:

- 1.
- 2.
- 3.

What is the total force of the air that is pushing down on you?
Human skin surface area = 1,300 in²



AIR PRESSURE



Low Pressure-

High Pressure-

What is the pressure at sea level? _____

Pressures Under Water



* Pressure increases with water depth. Air and water above you exert a pressure.

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Practice Problems

#1. On the top of the tallest mountain in the U.S. (Denali/Mt. McKinley) the air pressure is $\frac{1}{2}$ the pressure found at sea level. What is the air pressure on top of Denali?

#2. A scuba diver dives to a depth of 66 feet. How many atmospheres of pressure are exerted on the scuba diver?

#3. What is the atmospheric pressure on a scuba diver at 3 ATM?