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Planetary Atmosphere

The atmosphere is a layer of gas surrounds that surrounds the world. For the most part this layer consists of a thin layer that protects our sun. The earth has a thin layer of atmosphere; it is so thin that visual representation could be done with a dollar bill representing the thickness of it. The atmosphere is composed of particles such as and (Nitrogen and Oxygen) other molecules are water and carbon dioxide. These particles tend to be gases, which create pressure. These particles collide frequently in the air. Each planet has different amount of pressure. The planet with the most surface pressure recorded is Venus. Venus exerts 90 bars of pressure.

While reading about the atmosphere I was curious about why we do not feel this downward force that is caused by our atmosphere. Conveniently enough the book went on talking about it. It explained that one reason why we do not feel this pressure is because the pressure being applied is not necessary all down. The pressure comes from both upward and downward, negating them in some sense. Additionally your body exerts pressure outward which allows you feel comfortable instead of lethargic.

Our Atmosphere is important and usually taken for granted. The atmosphere is responsible for our water on earth. If the pressure were different then the existence of liquid water would be impossible. The pressure created is right enough to keep water a liquid. In addition to this, the atmosphere is responsible for the distribution of light scattering UV rays. Another reason that atmosphere is important is because it maintains a climate, and is responsible for wind and other major weather activity. However, most importantly it creates a protective *magnetosphere*, which contains a strong magnetic field. Another crucial role is the *greenhouse* effect, which allows us not to over heat a keep a decent temperature where it is livable.

The book continues on and elaborates in the *greenhouse effect.* Which in essence deflects some of the rays of the sun and sends them back to outer space. The greenhouse effects keep certain rays for a bit longer such as infrared light. While sending visible rays back. We can be more greatful of the greenhouse effect bu comparing each planets average