

Air Pressure on Earth's Surface

The weight of air piled on each other causes air pressure 15 pounds of pressure on Earth's surface.

1. The picture below demonstrates how the air particles are piled on each other about 75 miles up into the air.
2. Notice that the air particles near the earth are closer together because of the weight of the air particles on top of them.
3. This causes 15 pounds of air pressure at the earth's surface since all the weight is on the air right next to the earth.
4. Notice the farther the air goes up the farther apart the air particles are since there is less weight above them less pressure on them. So as the air goes up, there is less air pressure until there is none at all.

