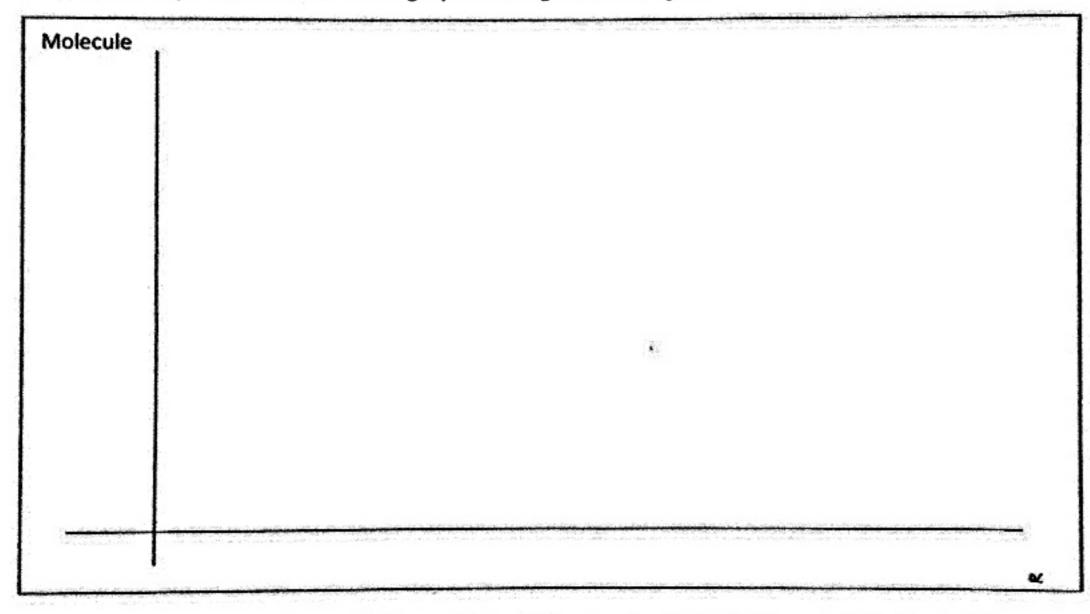
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Air and Air Pressure

- 1. What is the atmosphere?
- 2. What makes up the Earth's atmosphere?



Make a Bar Graph that shows what molecules make up the atmosphere and the average percentage of each gas.



- 4. Water vapor can make up between 1 and 4 percent of the air's mass. What might be a reason that water vapor varies so much?
- 5. Think back to the Cloud in a Bottle demonstration. How does air pressure affect cloud formation? What happened at high pressure and what happened at low pressure?

6.	Why are gases so much easier to compress than liquids and solids?
7.	The article we read said that "You live at the bottom of an ocean of air." What does this mean?
8.	In the space provided at the right, draw the molecules in a column of air showing the spacing and amount of molecules as you move higher through the atmosphere. Draw and label an arrow that represents the change in pressure. Use the picture on page 14 if you need a reference.
9.	What causes the change in air pressure through our atmosphere?
Bo	nus question: how does a change in pressure affect the wind? Think about what happens en you make a high pressure situation to answer this question.