I can prove that gases are real.

By James

Proving that atoms and molecules are in the air

In activity one, Mr. Stith put two small drops of water into an empty, sealed gallon. He then weighed the mass of the bottle before waiting two days for the final outcome of the experiment. After forty eight hours, we found nothing. Not a single trace of water. And we all know that water doesn't just climb up walls and morph through tightly sealed bottle caps. So in order to find out whether or not the water was still in there, we weighed the mass of the bottle. It had almost the same exact mass as before. From what I know, when states of matter change, the molecules either tighten or loosen. In this case, the molecules loosened. When something is a solid, the molecules are tightly packed together. When something is a liquid, the molecules start to loosen. When something is a gas, the molecules are spread apart from each other. We know that the water was still in there, it just wasn’t water anymore. It was a gas, and since the water changed to a gas, and we know you cannot destroy or create a molecule, the molecules are in the gas. Therefore, there are molecules in the air.

Gases are real

Let's make this simple. If you were to take an opened bottle, with the opened side facing you, and then squeeze the bottle, you would feel the air blowing on to you. Also, if you were to weigh the mass of a squeezed bottle next to a regular bottle, the squeezed bottle would weigh less because there is more air in the normal bottle compared to the squeezed bottle. If it wasn't gas, what else could it be? Finally, if you put your hand in front of your mouth and breath, you can feel the oxygen (which is a gas) blowing into your hand. This is pretty much the only way to put it.