The air that surrounds our planet is made up of a mixture of gases, mainly oxygen and nitrogen. All living things need both oxygen and nitrogen to survive.							
ust like solids and liquids, gases are made up of tiny particles of matter alled molecules. In the video on gases, Jared demonstrated (showed) that less tiny, invisible, gas molecules take up space.							
n this next video, Jared demonstrates that air has weight. Weight is just a neasure of how much gravitational <i>pull</i> the earth exerts on something. This <i>ull</i> depends upon how much <i>matter</i> (stuff) the thing is made of <u>and</u> upon its istance from earth's center. Near the earth's surface, all matter has weight.							
Air Has Weight: https://www.youtube.com/watch?v=o5LT_wfI98w							
matter heavier space weight							
The balloon on one end of the balloons take up When Jared lets the air out of the balloon on one end of the balance, the balloon on the other end dips down. The balloon with the air inside is than the empty balloon. This is because the air inside the balloon is made up of tiny particles of And near the earth's surface, all matter has							
In this video, Jared takes another look at air and explores some of its properties.							
Exploring Air: https://www.youtube.com/watch?v=Grziaq-caVE							
air space filled-up invisible pushed escape blown-up							
In this demonstration, Jared first stuffed an empty balloon down a plastic bottle and stretched the balloon's opening over the opening at the top of the bottle.							
Air is, but it is all around us, pushing on us from all directions.							
Even though the bottle looked empty except for the balloon, was							
also in the bottle. When Jared tries to blow up the balloon, it does not work. Why?							
Because the air already in the bottle was taking up all the inside,							

More About Air (Videos and Questions)

Name: _			More About Air (Videos and Questions)				
air	space	filled-up	invisible	pushed	escape	blown-up	
Jared then did the same thing again, but this time the bottle had a tiny hole in it. Now, he was able to blow up the balloon. Why? Because the hole in the bottle allowed the air inside to The balloonon the air inside and forced it out of the bottle.							
While Jared was blowing air into the balloon, he was pushing harder on the air inside the bottle than the air inside was pushing back. But once he stopped blowing, air rushed back into the bottle and pushed the air in the balloon out again.							
the hole	with his f	-	lloon stayed		No a	en quickly covered air could get into ut.	
When Jared sucked the air out of the bottle through the hole in the bottom, the balloon with air. Where did the air come from? Air from the room came in from the opening at the top of the bottle and filled the balloon.							
So, wha	t should	you take av	way from al	I this?			
Air is matter and takes up space. Air molecules that are crowded together want to spread apart so that they have more room to move about. They do this by moving to a place where there are fewer molecules and/or less pressure.							

SCIENCE IS SO COOL.