

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Air – Is It Really There? Worksheet **Answers**

Watch the demonstration and fill in your own conclusions.

Demo	Description	Conclusion
#1	Air in a bag	<b>Air takes up space; it has volume.</b>
#2	Balloon balance on meter stick	<b>Air has mass.</b>
#3	Blowing fan	<b>Air can move.</b>
#4	Walk/run with sheet of paper	<b>Air exerts pressure.</b>
#5	Raise book with plastic bag	<b>Air can do work.</b>

How do engineers use their knowledge of air composition?

**Engineers use their knowledge of air to design many things. Some examples include: slanting racecar windshields so that air exerts less pressure on the car when it is moving resulting in higher speeds, using propellers on airplanes to help them travel through the sky, and because air has mass it can be heated up or cooled down to maintain temperatures in our homes and schools.**