

Earth Science Grade 5 Lab Practical

Teacher's Answer Key

This is your chance to see how well your students have picked up on important key concepts, and if there are any holes. Your students also will be working on their homework assignment as you do this test individually with the students.

Materials:

- Two balloons, each with a string attached
- Ping pong ball
- Sheet of paper

Lab Practical: Ask the student *Note: Answers given in italics!*

1. Design two experiments using the materials provided to demonstrate how higher pressure always pushes.
 - a. *Student can blow between the balloons and they will come together. Higher pressure surrounds the balloons except for the area of lower pressure which between the balloons.*

(Ask the student to identify the areas of higher and lower pressure.)

- b. *Students can perform this with a ping pong ball if they also make a cone from the sheet of paper and insert the ball into the cone and blow into the cone from the small end. The ball will remain in the cone and not be pushed out since the lower air pressure is pushing the ball into the cone.*
- c. *Students can also use a sheet of paper and bring it to their lips and blow over the top surface, causing the paper to rise up even though they are blowing across it. The lower pressure (under the paper) is pushing the paper up to a horizontal position.*

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Student Worksheet

This is your chance to show how much you have picked up on important key concepts, and if there are any holes. You also will be working on a homework assignment as you do this test individually with a teacher.

Materials:

- Two balloons, each with a string attached
- Ping pong ball
- Sheet of paper

Lab Practical:

1. Design two different experiments using the materials provided to demonstrate how higher pressure always pushes.