

Air Pollution, Lab 1

Name: _____ Period: _____ Date _____

Procedure

Give each student a test-tube containing a chemical solution called phenol red.

Draw and describe the test-tube and its content before the activity.

Give each student a drinking straw.

Have the students blow into the fluid using a drinking straw

Continue to blow and “speak” into the fluid until the liquid turns a color other than pink.

Record the reaction on the chart below.

Swirl the contents of the test-tube to see if the color again changes.

Draw and describe the test-tube and its content after the activity

Before Activity	After Activity
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Questions:

Answer the questions on the back of this paper.

1. How many breaths did it take to change the color of the fluid?
2. What do exhaled breaths contain that might affect the solution?