

Phenol Red Lab

Purpose: To use the scientific method to find out what component of the breath causes Phenol Red to change color.

1) Observe your classmate blowing bubbles into a beaker or test tube of Phenol Red. Record your observations below.

2) Using your observation list and your own knowledge, decide what you think may have caused the Phenol Red to change color. This will be your inference (possible explanation or interpretation).

3) Underline or highlight the top inference you believe is the reason for phenol red changing color. Create a hypothesis.

4) Identify the necessary variables for the experiment: (label them)

5) Write a brief description of your experiment and draw diagrams explaining it.