**Every Breath You Take**

**SLE’s:**

LS.4.5.7 Describe and diagram the *carbon cycle* in *ecosystem*s

LS.4.5.8 Describe and diagram the *carbon dioxide-oxygen cycle* in *ecosystem*s

LS.4.5.9Conduct investigations demonstrating the role of the *carbon*

EBR.8.B.3 Diagram the carbon, nitrogen, phosphate, and water cycles in an *ecosystem dioxide-oxygen cycle* in *ecosystems*

MC.3.B.5 Compare and contrast cellular respiration and photosynthesis as energy conversion pathways

Make sure you have all of the appropriate materials for your group (you can check off each material):

  Googles

       graduated cylinder

       water

       dropper

       BTB

       Plastic straw

3.)    Fill one beaker with 100 ml. of water using the graduated cylinder to measure out 100 ml.

4.)    Use a dropper to add enough BTB to turn the water blue.

5.)    The experimenter should use a plastic straw to blow into the water.  Record your observations in your notebook.