

Photosynthesis Virtual Lab Directions

1. Go to the following link:
http://www.classzone.com/cz/books/bio_09/resources/htmls/virtual_labs/virtualLabs.html
2. If it asks for your state, pick California
3. Select the lab "Carbon Transfer through Snails and elodea"
4. This virtual lab will walk you through the steps of the experiment. Follow along with this worksheet and the website to complete it correctly.
5. **Summarize the Problem and purpose of the experiment**

6. Close the "Problem" box, and begin to explore the lab.
7. Click the "Background" box on the top on the right.
8. **Summarize the background information**

9. Close the "background" box.
10. Explore the lab set up. The yellow bubble at the top left side will tell you what to do.
11. **As you click through the lab set up, write the purpose of each material:**

a. Beaker of Bromothymol Blue (BTB) solution

b. Pond snails

c. Elodea

d. Test tubes

e. Grow light

f. Test tube rack cover

g. CO₂-O₂ Cycle poster

h. Color Key

(hint, it will not let you move onto the next step until you have clicked each material)

12. In this lab, you will be asked to design your own experiment to see the relationship between CO₂ and O₂ and plants and animals. You will need to vary some aspects of your lab to determine these relationships. Follow the directions on the website to be successful.
13. Click "Procedure" at the top left side.
14. Read the yellow box.
15. Click the lab notebook and **follow the procedures to complete the lab.**

(flip over)

Name: _____

TOC#:

16. You can write your answers directly onto the webpage (for example, the box under hypothesis) you can print it at the end.
 - However, you must complete the activity in one sitting. If you do not have a printer, label each thing you need to type in with a title, and write what would be typed in each section by hand. Either way, you need to turn in a completed virtual lab stapled to this paper.
 - Hint: it will not let you move on from any step until you have written something in the empty boxes or completed the appropriate procedures. If you are hand writing it, just type something into the box to move on.
17. Be sure to complete the entire lab, including the analysis questions on the lab.