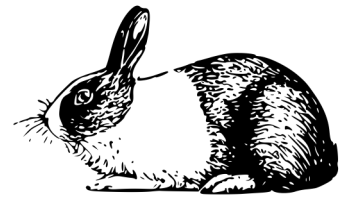
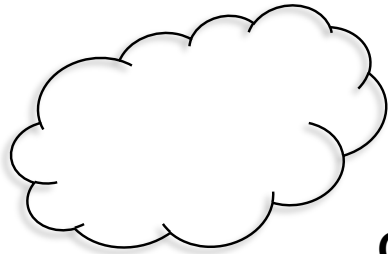




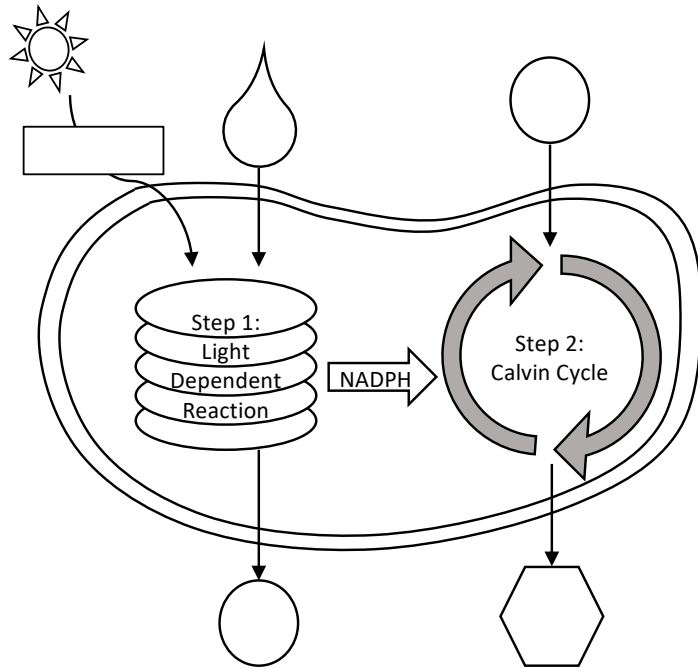
Photosynthesis



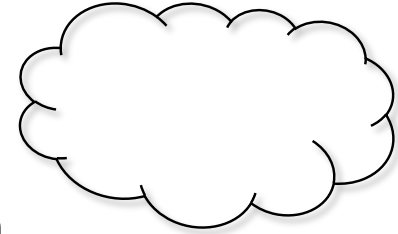
Cellular Respiration



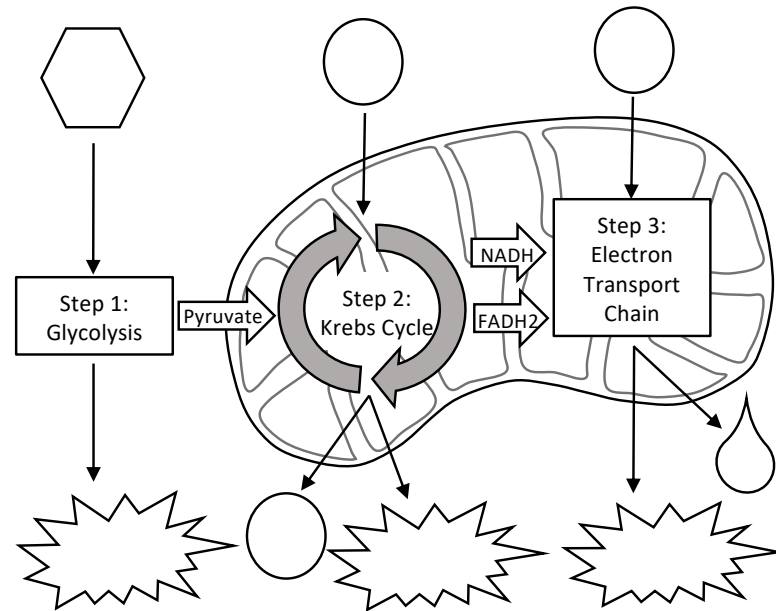
### Chloroplast



### Photo - Steps



### Mitochondrion



### CR- Steps

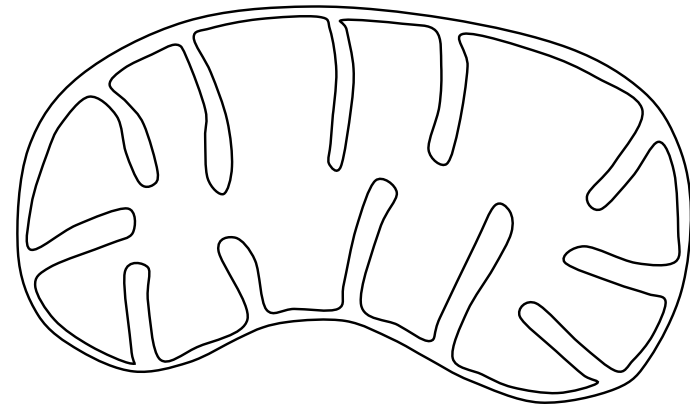
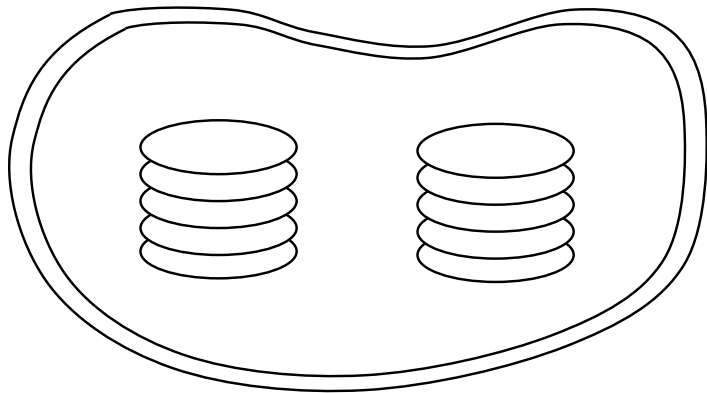
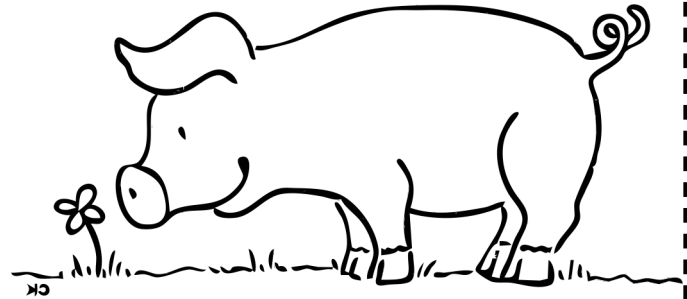
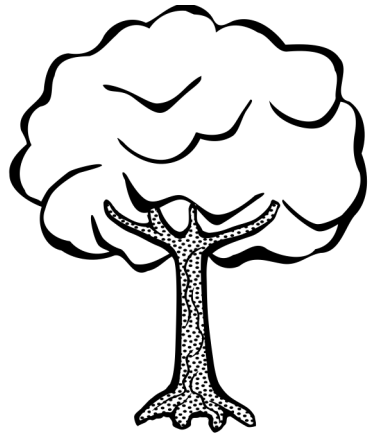


Photo – Location

CR – Location



What  
goes  
in?

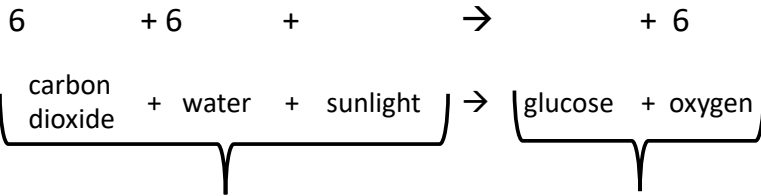
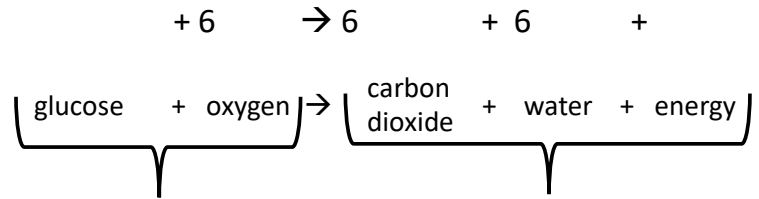


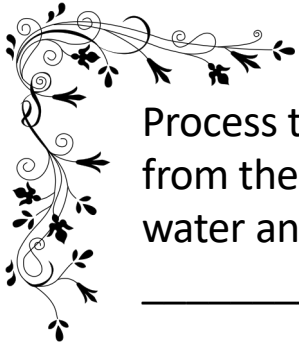
Photo - Function & Formula



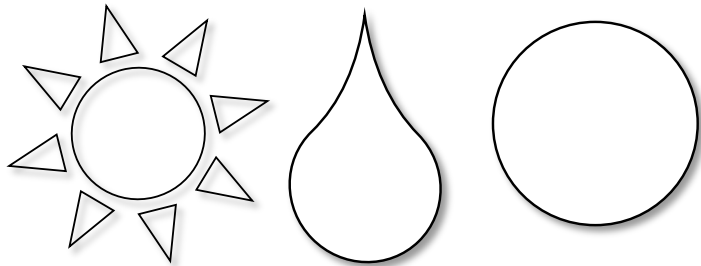
What  
goes  
in?



CR - Function & Formula

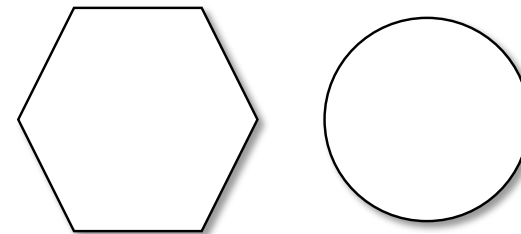


Process that uses \_\_\_\_\_  
from the \_\_\_\_\_ to convert  
water and carbon dioxide into  
\_\_\_\_\_ energy



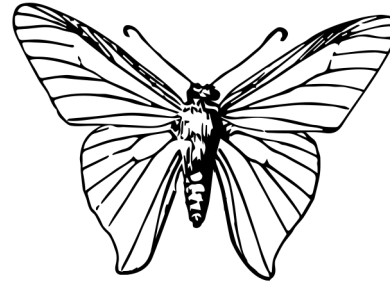
**Photo – Reactants**

Process that \_\_\_\_\_ down  
glucose into \_\_\_\_\_  
energy used by cells called



**CR– Reactants**

What  
comes  
out?



What  
comes  
out?

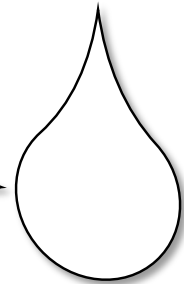
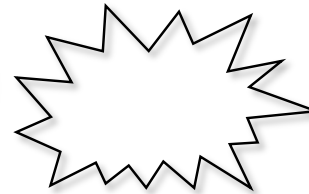
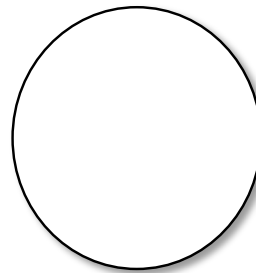
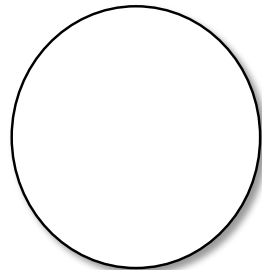
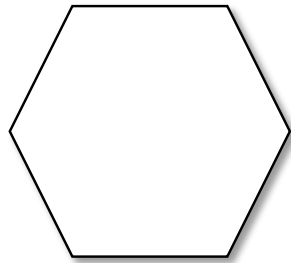


Photo - Products

CR- Products

## Teacher Instructions

To make the flip books face in the right direction, you can print the pages in two ways:

- If you have access to **double-sided** printing: Before you print the document, select double-sided printing. This will print all 6 pages front and back with each page being upside down on the back (this is correct!). Then make copies of the double-sided sheets for your whole class.
- If you only have access to **single-sided** printing: Print 1 copy of the document. When you run it through the copy machine, select two-sided, and make sure all the pages are **in order** using the numbers in the top right hand corner, with the page numbers lined up in the **same** corner. Then run it through the copy machine double-sided, and the pages should print upside down on the back (this is correct!). Then make copies of the double-sided sheets for your whole class.

You can cut along the **outside** dotted lines before your students assemble the flip books using a paper cutter, or you can choose to let the students do their own cutting. I have found it easier to assemble the flip book completely first, and then have students cut along the edges. This allows the flip book to fit in any sized interactive notebook.

Flip books can be intimidating, but I promise they are very easy to set up! I walk my students through folding and stapling them every year. I have known some teachers who don't trust students to do it, and will fold and staple the flip books for their students. Please see the student instructions on how to assemble the book.

# Student Instructions to Assemble the Flip Book

1. Page 2, the Steps page, goes on the bottom (the numbers are in the upper right-hand corner). Lay this flat on your desk.
2. Page 4, the Function & Formula page, goes on top of Page 2. Leave the bottom edge of Page 2 exposed like a tab. Use the solid line to evenly align Page 4. (See Fig. 1)
3. Page 6, the Products page, goes on top of Page 4. Again, leave the bottom edge of Page 4 exposed like a tab. Use the solid line to evenly align Page 6. You should be able to read all 3 tabs, and they should be evenly spaced. (See Fig. 2)

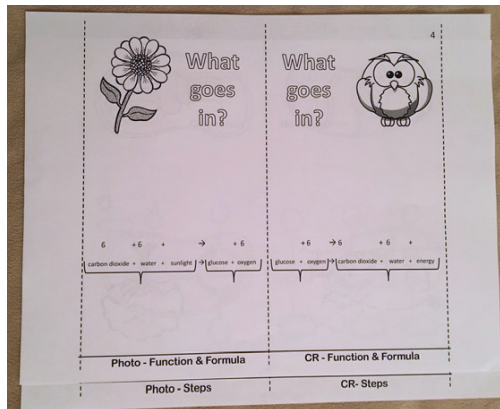


Fig. 1

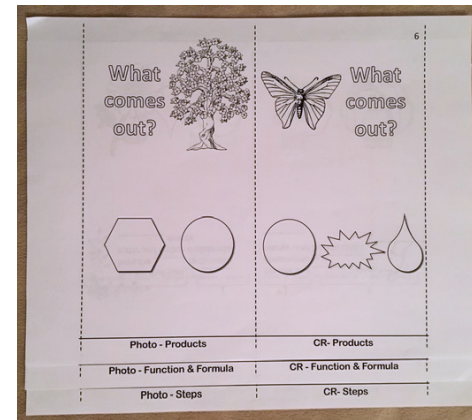
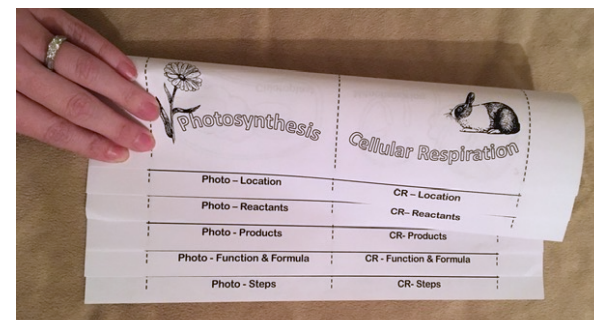
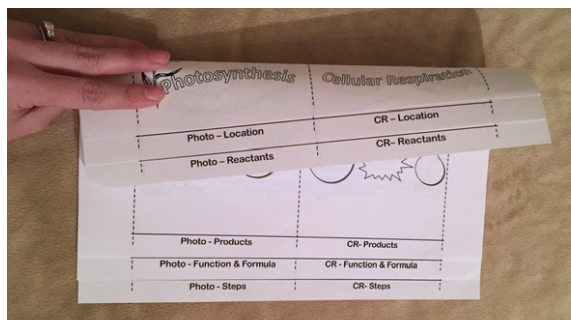


Fig. 2

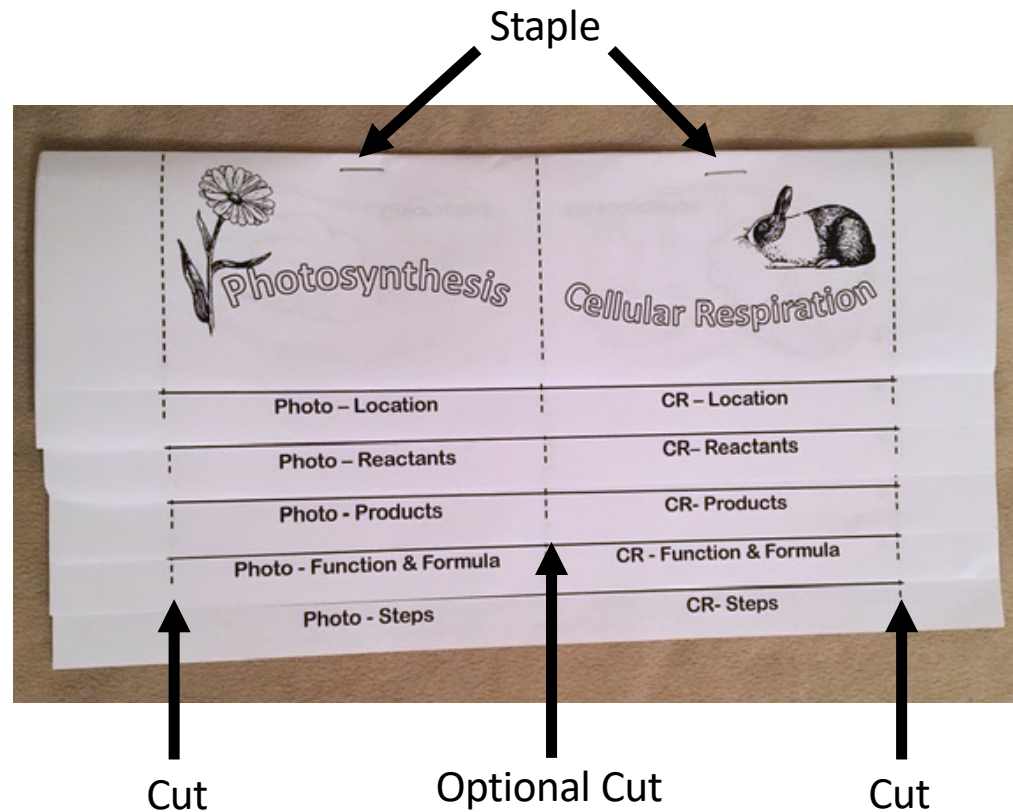
4. Then, holding the pages firmly near the bottom edge, fold the top edges of all 3 pages over. You will see the 3 new tabs begin to line up with the others. Use the solid lines to guide you, and fold all 3 pages over so that you can see all 6 tabs. Before you make any hard folds, make sure all of your tabs are lined up and in the correct order. Then fold the edge firmly.





## Student Instructions to Assemble the Flip Book, Continued

- Once everything is lined up correctly and folded neatly, you can place one staple in the center of each section, close to the folded edge. Cut along the **outside** dotted lines. Now you are ready to color and fill out your own photosynthesis and cellular respiration flip book!



**Optional Cut:** You may cut along the dotted center line so that you can open one side at a time. However, DO NOT cut the bottom (Steps) page, as this needs to stay intact so that the flip book can be glued down, and to keep its structural integrity. Also, don't cut too close to the fold. Stop before the staples.