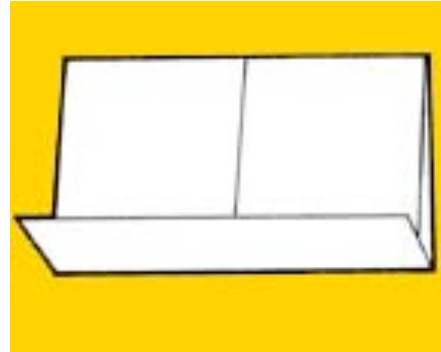


## Extension: PHOTOSYNTHESIS & CELLULAR RESPIRATION FOLDABLE

Use a chromebook to complete the following foldable. Use any credible source you find.

### FOLD DIRECTIONS:

1. Fold a sheet of paper in half horizontally (hamburger) so that one side is one inch longer than the other side. Hole punch the part that is longer.
2. Cut the shorter side in half, up towards the fold (mountain top) to create two flaps.



### LABEL FRONT OF FLAPS

1. Label the **LEFT** flap, PHOTOSYNTHESIS, and sketch, label, and color the CHLOROPLAST.
2. Label the **RIGHT** flap, CELLULAR RESPIRATION, and color, label, and sketch the MITOCHONDRIA.
3. Label the **BOTTOM** flap, METABOLISM - ENERGY TRANSFORMATIONS.

### LABEL BACK OF FLAPS

1. On the **LEFT BACK** flap include the following:
  - a. Equation for photosynthesis?
  - b. What occurs in the light-dependent reactions?
  - c. What occurs in the light-independent reactions?
2. On the **RIGHT BACK** flap include the following:
  - a. Equation for cellular respiration?
  - b. What is glycolysis & where in the cell does it occur?
  - c. What's the Kreb's cycle and where does it take place in the cell?

### CENTER UN-CUT SECTION

1. Sketch and color the photorespiration diagram below. Explain how these two processes are related. (HINT: WHAT IMPORTANT ELEMENT IS BEING RECYCLED?)

