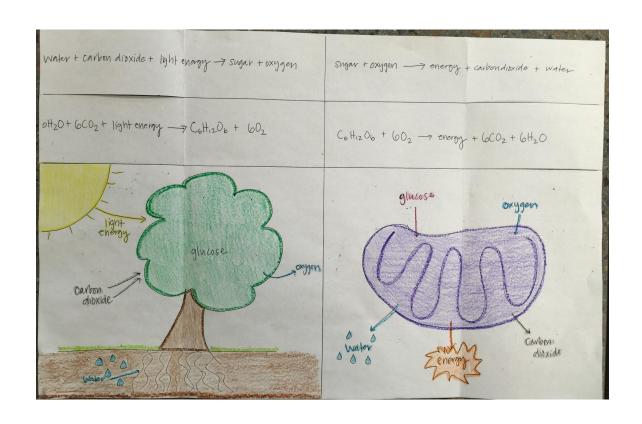
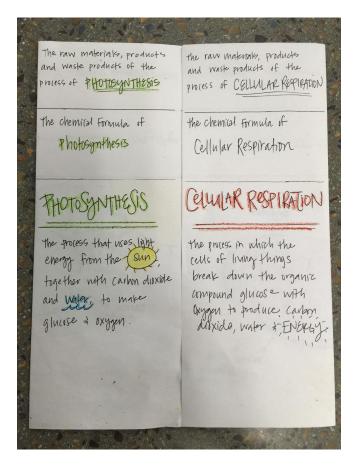
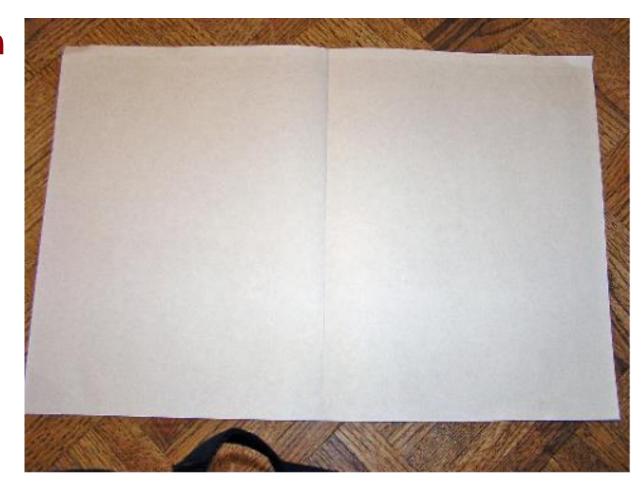
Photosynthesis & Cellular Respiration step-by-step guide to a foldable

• Follow the given steps to make your very own foldable with key information.

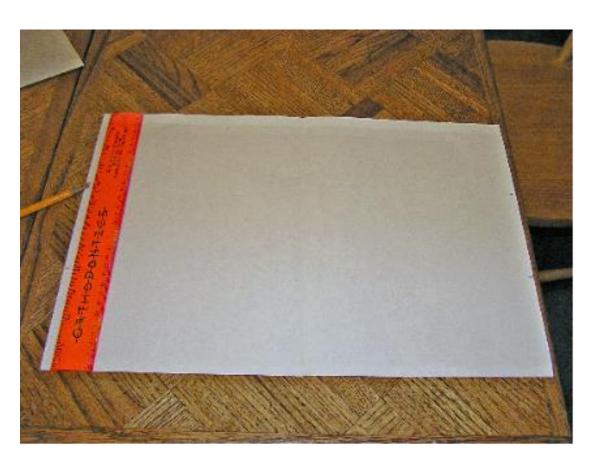




 Fold the construction paper in half – hamburger style.

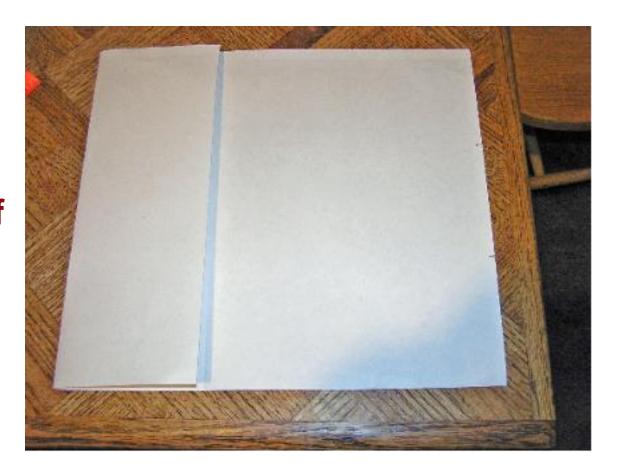


- Open the folded paper up again.
- Divide the paper into 3
 equal parts, as shown.
 Use a ruler. Make tiny
 marks that you can
 erase later.



Open the foldable up again.

• This time fold each half side in half, as shown.

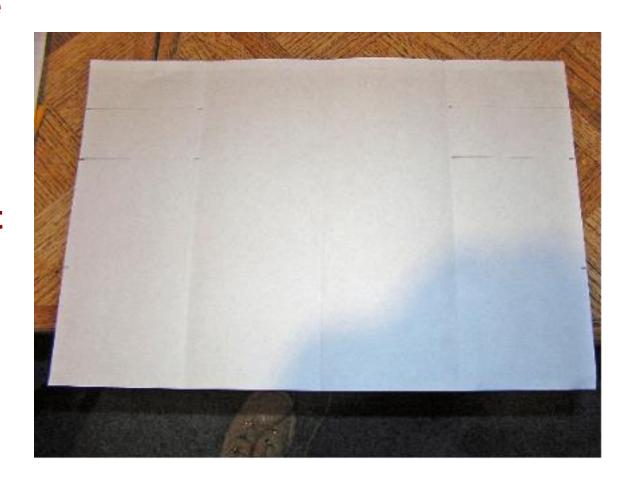




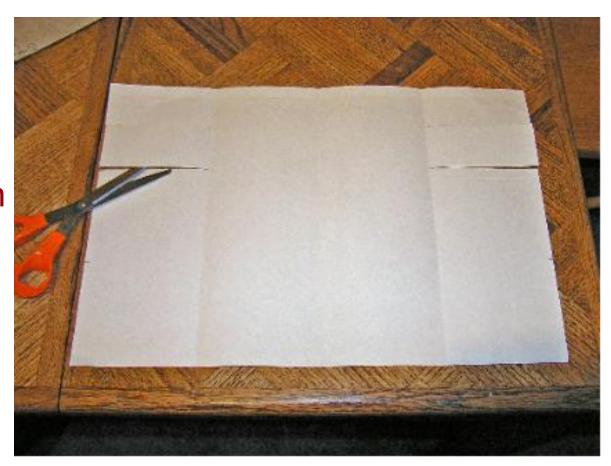
Open the foldable once again.

Take the upper 1/3
 division and divide that
 in half.

 Trace lines across the two divisions in the upper 1/3 of the paper.
 See example.

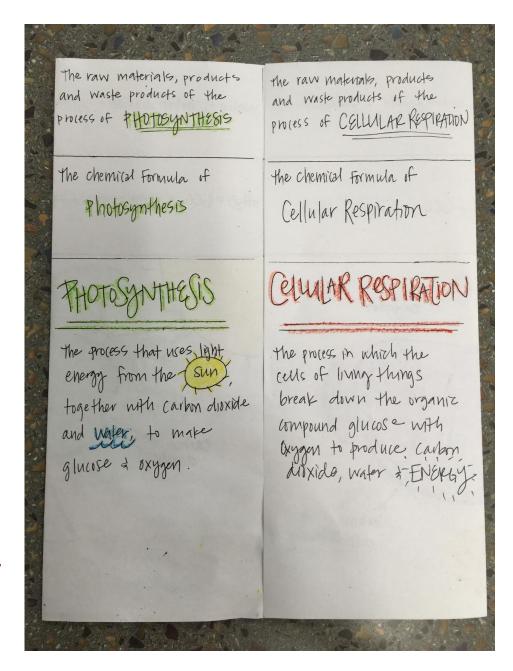


Cut across the lines
 that you made. (Be
 careful to cut no farther
 than what's been shown
 on the example.)



 Take the construction paper and fold along the folds as shown.

- Begin writing down the information as given in the example.
- Remember, one side of the foldable is about photosynthesis and the other about cellular respiration.



PHOTOSYNTHESIS

- ◆Top Row "The raw materials, product and waste products of the process of photosynthesis"
- Middle Row "The chemical formula of Photosynthesis"
- Bottom Row "The process that uses light energy from the sun together with carbon dioxide and water to make glucose and oxygen.

The raw materials, products and waste products of the PHOTOSYNTHESIS The chemical Formula of

Photosynthesis

the process that uses light energy from the (Sun) together with carbon dioxide and water, to make glucise & oxygen.

the raw materials, products and waste products of the PHOLESS OF CELLULAR RESPIRATION

the chemical Formula of Cellular Respiration

CELULAR RESPIRATION

the process in which the cells of linnar things break down the organiz compound glucos = with Oxygen to produce carbon disxide, water & ENERGY The raw materials, products and waste products of the process of PHOTOSYNTHESIS

the chemical formula of Photosynthesis

7HOTOSYNTHESIS

the process that uses light energy from the Sun, together with carbon dioxide and water, to make glucose & oxygen.

the raw materials, products and waste products of the projects of CELLILAR RESPIRATION

the chemical formula of Cellular Respiration

Cetular RESPIRATION

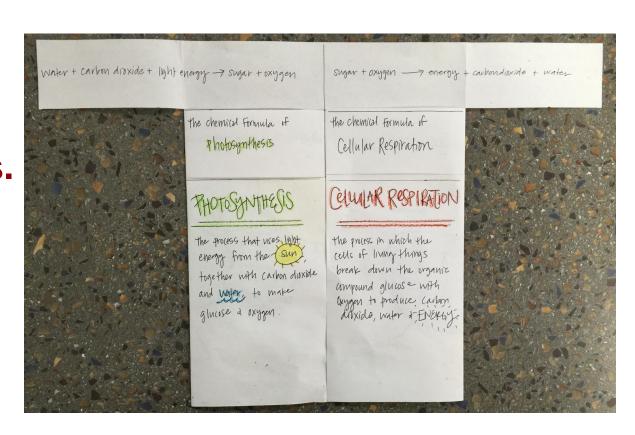
the process in which the cells of living things break down the organic compound glucose with ayoun to produce carbon discide, water & ENERGY.

CELLULAR RESPIRATION

- Top Row "The raw materials, product and waste products of the process of cellular respiration"
- Middle Row "The Chemical Formula for Cellular Respiration"
- Bottom Row The process in which the cells of living things break down the organic compound glucose with oxygen to produce carbon dioxide, water & energy.

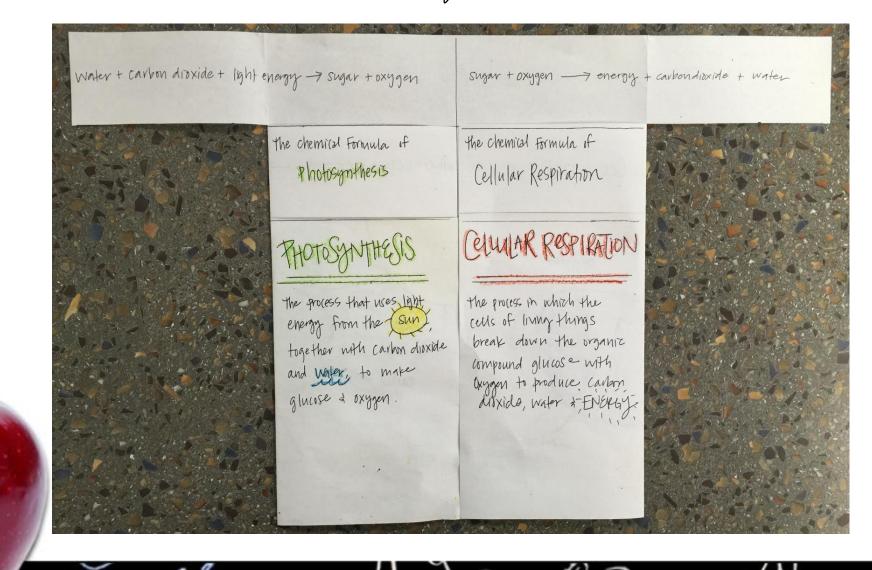
 Time to add the raw materials, products & waste products on the inside of each process.

• Final product will look as shown on the example.



For Photosynthesis:

Water + Carbon Dioxide + Solar Energy Sugar + Oxygen

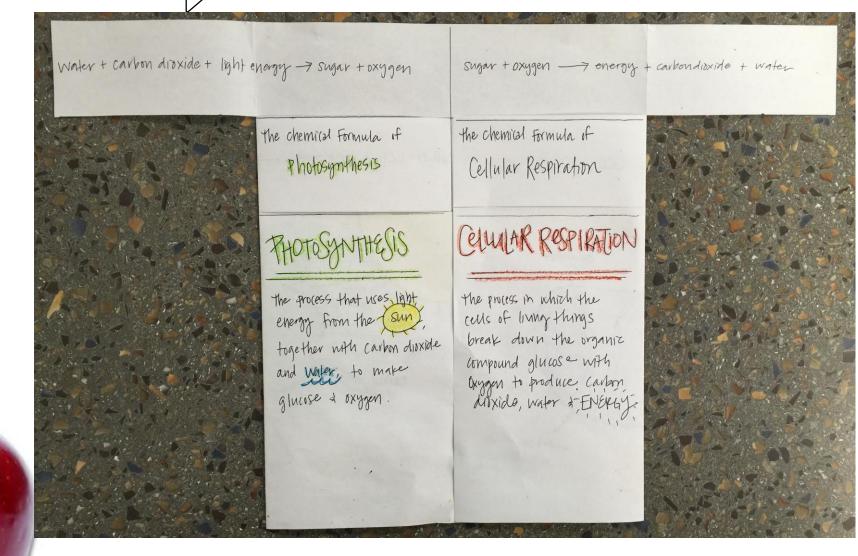


For Cellular Respiration:

Sugar + Oxygen

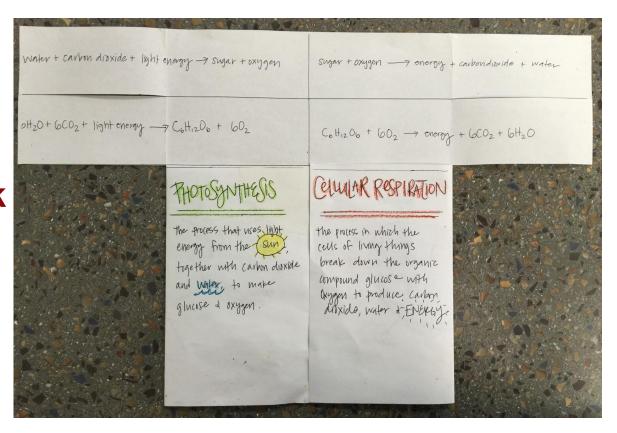


Energy + Carbon Dioxide + Water



 Time to add the scientific formula.

 The equations will look as shown on the example.

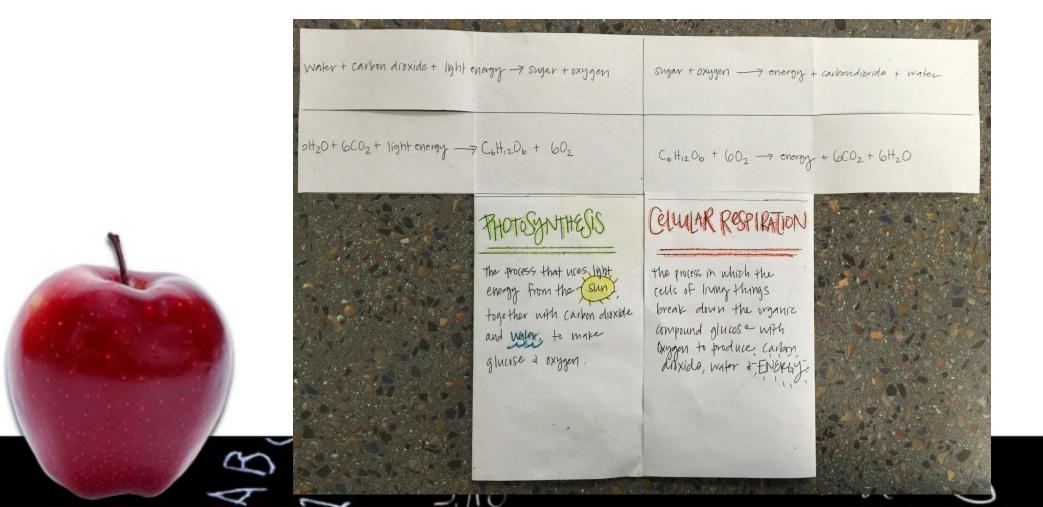


For Photosynthesis:

 $6H_2O + 6CO_2 + Solar Energy$

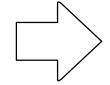


 $C_6H_{12}O_6 + 6O_2$



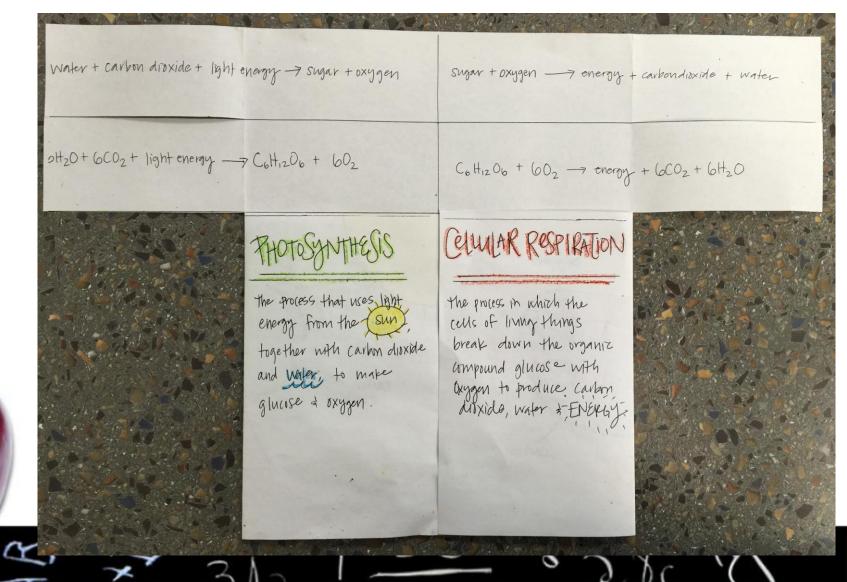
For Cellular Respiration:

 $C_6H_{12}O_6 + 6O_2$

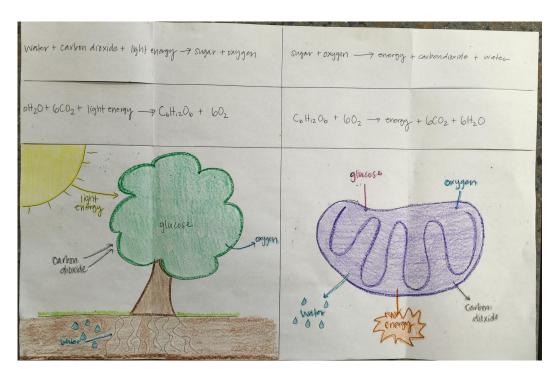


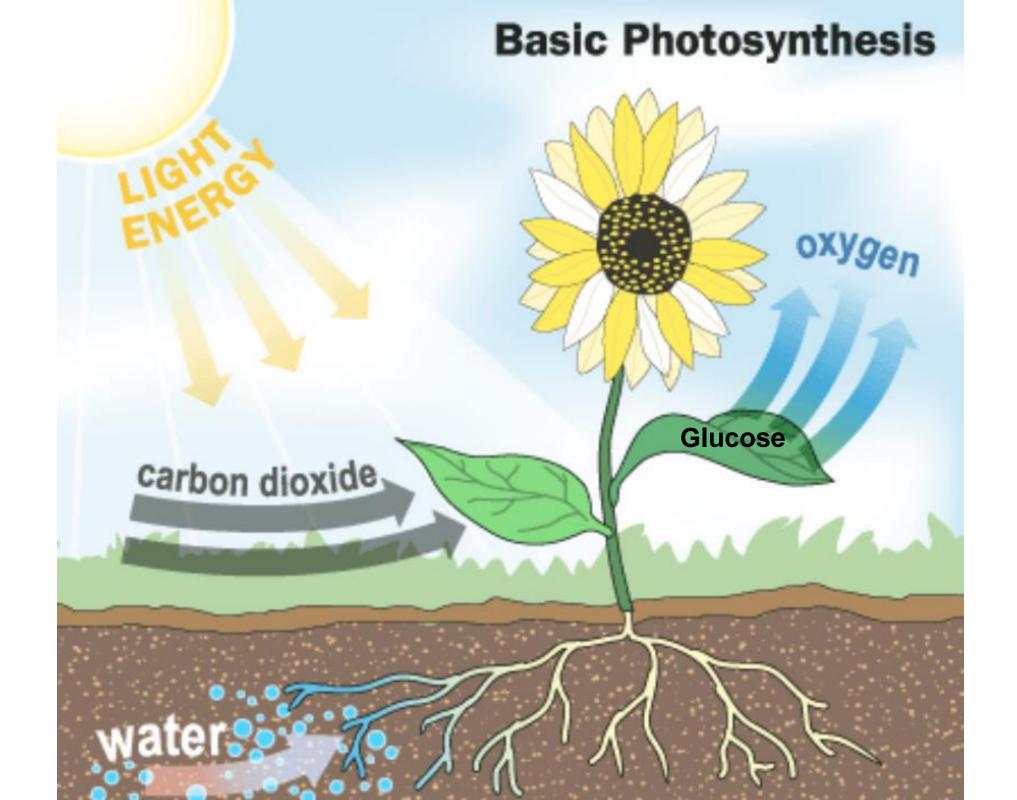
Energy + 6CO₂ +

6H₂O

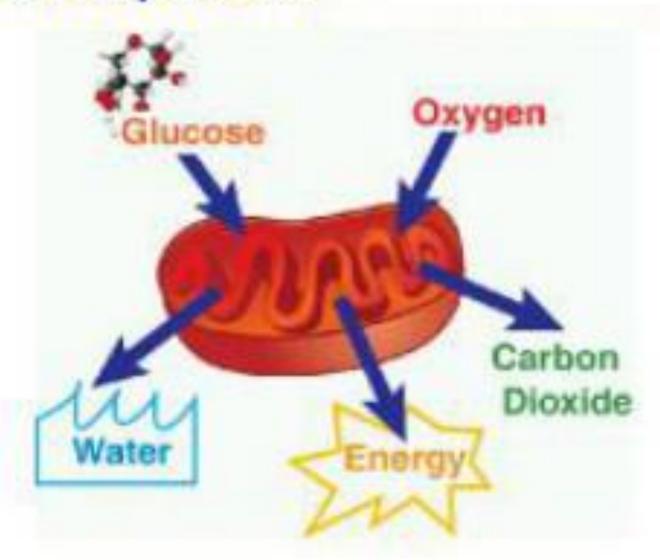


- Time to add drawings on the inside of the foldable as shown.
- The drawings go in the bottom 2/3rds of each side. The process of photosynthesis on one side and the process of cellular respiration on the other. Check carefully that you are on the correct side.
- Be creative in how you depict each process.
- Draw lightly as you are likely to make important changes in the process of perfecting your foldable.





Cellular Respiration



Here's a sample of the final product

Water + carbon dioxide + light energy -> sugar + oxygen	Sugar + oxygen -> energy + carbondioxide + water
oHzO+6C02+ light energy -7 C6H12O6 + 6O2	$C_6H_{12}O_6 + (6O_2 \rightarrow energy + (6CO_2 + 6H_2O)$
light energy glucose oxygen dioxide	glucose oxygen water Carbon dioxide