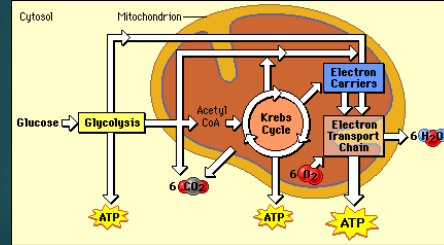
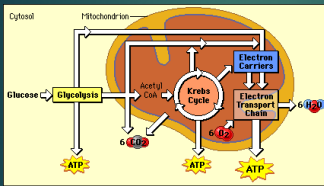


# Unit 5 Resp and Photosyn Review

What process is this?



What types of cells do this?



Plant cells and animal cells

What are the stages of cell respiration?

- ▶ Glycolysis
- ▶ Krebs or citric acid cycle
- ▶ Electron transport

What does anaerobic mean?

- ▶ Without oxygen

What does aerobic mean?

- ▶ With oxygen

What part of cell respiration is anaerobic?

- ▶ glycolysis



What part of cell respiration requires oxygen?

- ▶ Krebs cycle and electron transport



What gas is released by cell respiration?

- ▶ Carbon dioxide



What gas is required for cell respiration?

- ▶ oxygen



What do you call an organism that makes its own food?

- ▶ Autotroph or producer



Where does photosynthesis occur?

- ▶ chloroplast



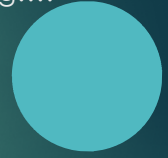
What gas is given off by photosynthesis?

- ▶ oxygen



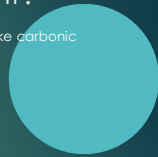
When you break down glucose to make ATP, what are you doing....

- ▶ Cell respiration (respiration)



Why did your bromo blue turn yellow when you blew air into it?

- ▶ The CO<sub>2</sub> in your breath combined with the water to make carbonic acid
- ▶ So bromo blue turns yellow with an increase in CO<sub>2</sub>



Can we live without autotrophs?

- ▶ No, autotrophs trap the sun's energy to make the food we all need.



What are the parts of photosyn?

- ▶ Light reaction (light dependent reaction)
- ▶ Dark reaction (light independent reaction)



What does the light reactions make?

- ▶ ATP and NADPH<sub>2</sub> (electron carrier)



## What does the light independent reaction make?

- ▶ Glucose and Oxygen



## What is ATP?

- ▶ The energy molecule needed to supply energy for life.



## What pigment traps sunlight for photosyn

- ▶ chlorophyll



## What happens first in photosyn...

- ▶ Light dependent reaction

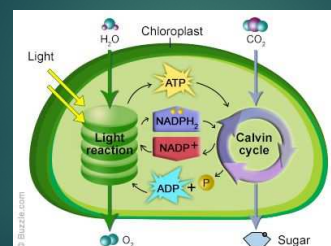


## What is a thylakoid?

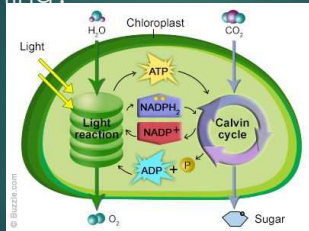
- ▶ The sac like structure in a chloroplast that hold chlorophyll and capture light.



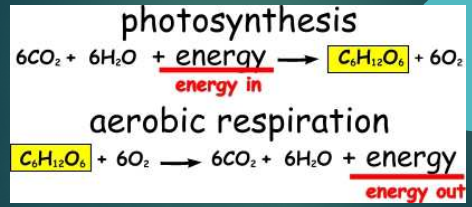
## What is this thing?



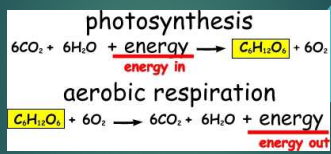
What process is this picture illustrating?



What are the equations for photosyn and cell resp.



What are reactants?



What are the products?

