


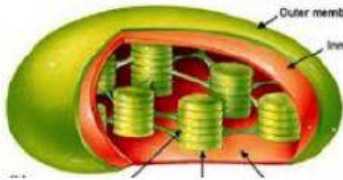

# Photosynthesis and Cellular Respiration Reactions

Use each of the pieces to complete the reactions (reactants and products) for Photosynthesis, Cellular Respiration, and the ATP (energy) reactions. Each piece is used only once.

$C_6H_{12}O_6$



Sunlight

$CO_2$

$O_2$

$H_2O$

Glucose

Oxygen Gas

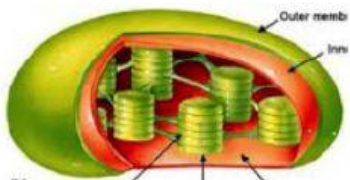

Water

Carbon Dioxide

1. Drag & Drop the organelle where **PHOTOSYNTHESIS** takes place here.

2. Using the **GREEN** pieces above, drag & drop the reactants and products for the **PHOTOSYNTHESIS** reaction in the space below..  
Underneath the reaction, place the **YELLOW** squares below the formulas.



$C_6H_{12}O_6$

ATP	$CO_2$	Carbon Dioxide	Adenosine TriPosphate
$O_2$	$H_2O$	Glucose	Oxygen Gas
		Water	

3. Use the pieces above to Drag & Drop the organelle where **CELLULAR RESPIRATION** takes place here.

4. Use the **GREEN** pieces above and Drag & Drop the reactants and products for **CELLULAR RESPIRATION** reaction into the space below  
Underneath the reaction, place the **YELLOW** squares below the formulas.



ADP

ATP

Energy

Adenosine  
DiPosphate

Adenosine  
TriPosphate

5. Use the **GREEN** pieces above to drag and drop the reactants and products showing the **breakdown of ATP** below.  
Underneath the reaction, place the **YELLOW** squares below the formulas.

