

Photosynthesis and Respiration Flash Cards

<b>OXYGEN</b>	<b>YIELDS</b>	<b>PLUS</b>
<b>CARBON DIOXIDE</b>	<b>PLUS</b>	<b>WATER</b>
<b>SOLAR ENERGY</b>	<b>GLUCOSE</b>	<b>C<sub>6</sub>H<sub>12</sub>O<sub>6</sub></b>
<b>O<sub>2</sub></b>	<b>H<sub>2</sub>O</b>	<b>CO<sub>2</sub></b>

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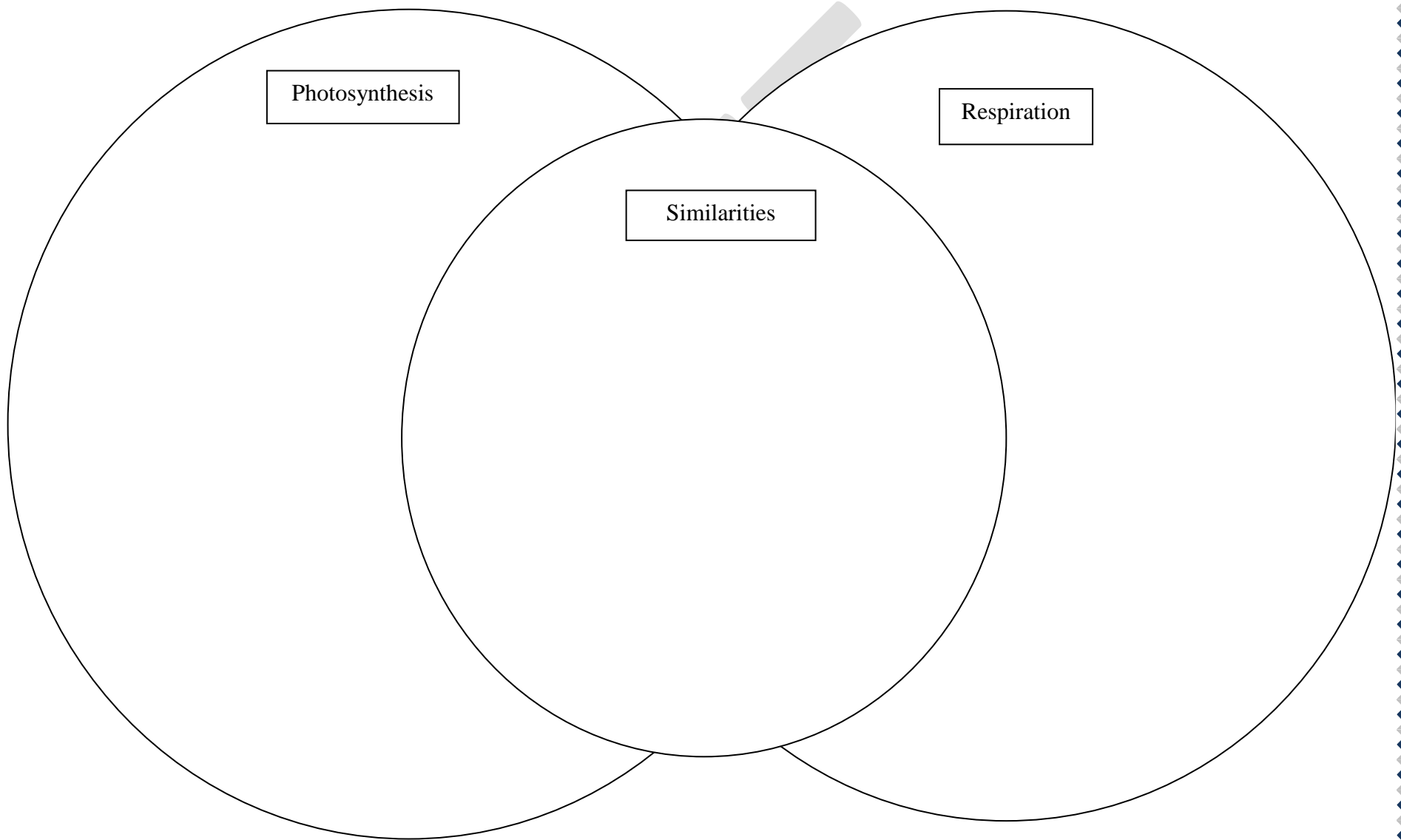
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**CHLOROPLAST**

DRAFT

## Photosynthesis and Respiration Venn Diagram



### Optional Phrases for Venn Diagram

Involves chemical reactions  
Occurs in chloroplasts  
Occurs in mitochondria  
Produces glucose  $C_6H_{12}O_6$   
Produces  $H_2O$   
Requires enzymes  
Used by all organisms  
Used by animals  
Used by plants  
Uses  $CO_2$   
Uses  $O_2$

Involves energy  
Converts energy from one form to another  
Involves an electron transport chain  
Light independent reactions (Calvin Cycle)  
Light dependent reactions  
Requires chlorophyll  
Traps light energy  
Produces  $CO_2$   
Produces  $O_2$   
Aerobic or anaerobic  
Glycolysis

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