

## Energy Conversions inside the Cell

## Photosynthesis

Examples:

## Cellular Respiration

Examples:

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Picture Summary

**Respiration**

A process that converts stored ( ) energy in the food molecule, glucose, into mechanical energy ( )

Process used by BOTH \_\_\_\_\_ & \_\_\_\_\_

**Photosynthesis**

A process that converts light ( ) or \_\_\_\_\_ energy into stored ( ) energy in the form of food molecules, glucose

Process used by \_\_\_\_\_

## Photosynthesis

In words

_____	_____
Makes →	

Chemical Formula

_____	_____
Yields →	

## Cellular Respiration

In words

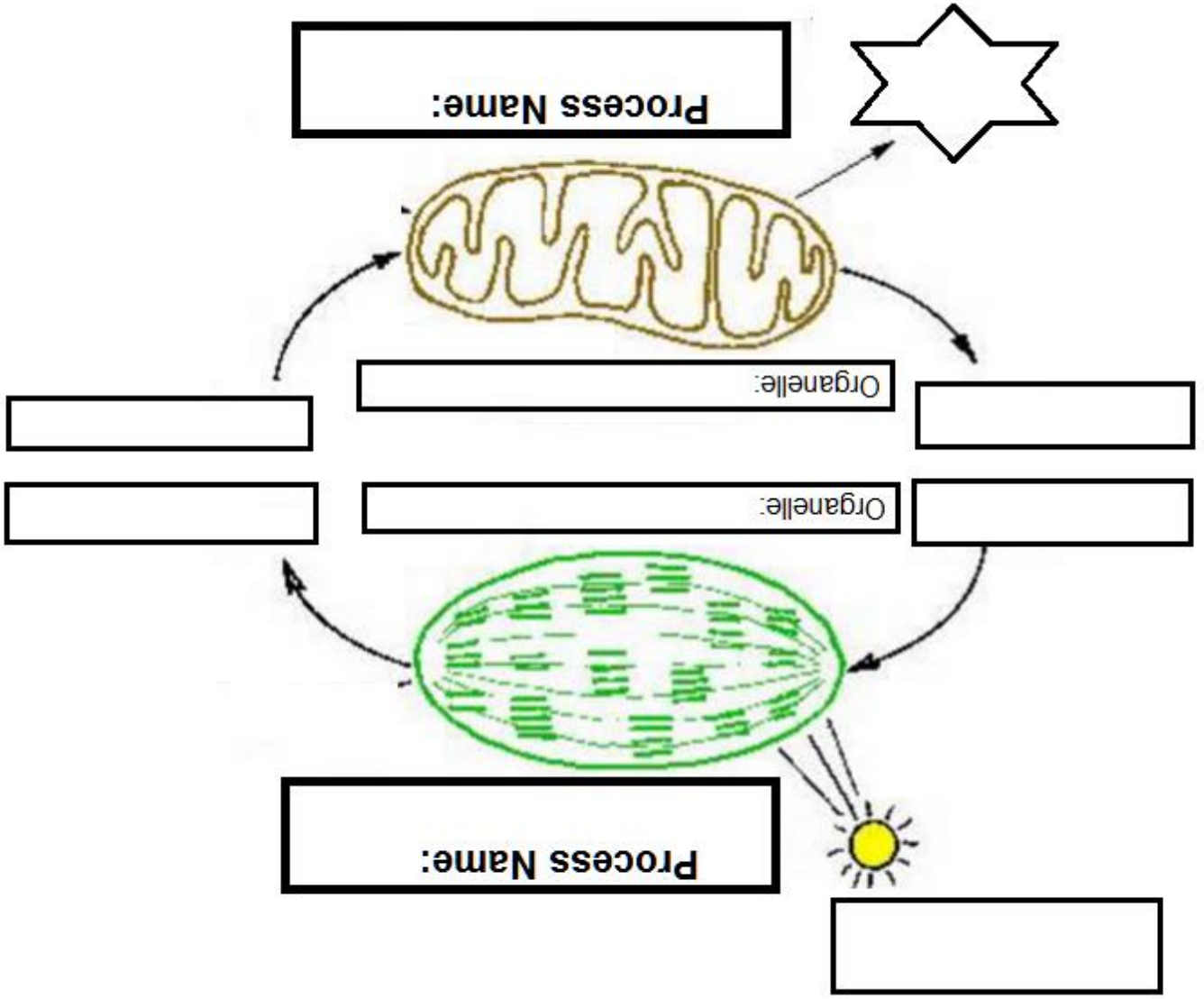
_____	_____
Yields →	

Chemical Formula

_____	_____
Makes →	

Equation/Formula

Cyclic Relationship



## Photosynthesis



**Organelle Name** \_\_\_\_\_

Contains the pigment \_\_\_\_\_

that absorbs \_\_\_\_\_ energy

## Cellular Respiration



**Organelle Name** \_\_\_\_\_

Involved only in \_\_\_\_\_ respiration

which requires \_\_\_\_\_

**Location in the Cell**