

## Cell Energy

I. Cells use \_\_\_\_\_ to live, grow and reproduce.

A. Plants are \_\_\_\_\_. Sugar is made in the \_\_\_\_\_ of a \_\_\_\_\_ by a process called \_\_\_\_\_.

6 \_\_\_\_\_ + 6 \_\_\_\_\_ + \_\_\_\_\_ -> \_\_\_\_\_ + 6 \_\_\_\_\_

6 \_\_\_\_\_ + 6 \_\_\_\_\_ + \_\_\_\_\_ -> \_\_\_\_\_ + 6 \_\_\_\_\_

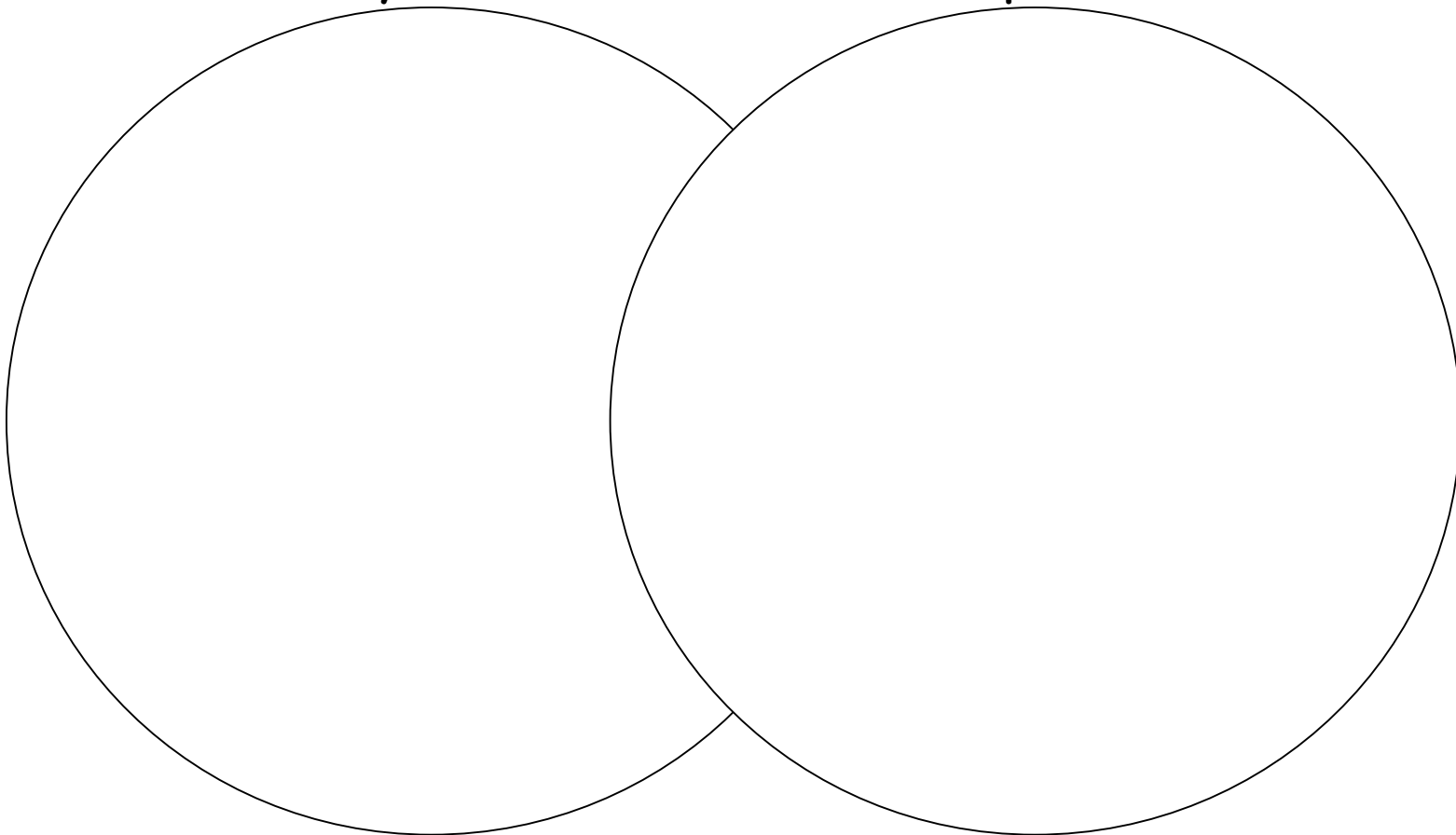
B. Energy is made from sugar in a cell's \_\_\_\_\_ by a process called \_\_\_\_\_ to make \_\_\_\_\_ for cell activities. This happens in \_\_\_\_\_ and \_\_\_\_\_ cells.

\_\_\_\_\_ + 6 \_\_\_\_\_ -> 6 \_\_\_\_\_ + 6 \_\_\_\_\_ + \_\_\_\_\_

\_\_\_\_\_ + 6 \_\_\_\_\_ -> 6 \_\_\_\_\_ + 6 \_\_\_\_\_ + \_\_\_\_\_

**Photosynthesis**

**Cellular Respiration**



**Phrases to place:**

**Done by chloroplasts**

**Done by mitochondria**

**Use sugar**

**Makes sugar**

**Needs energy**

**Uses oxygen**

**Creates oxygen**

**Uses water**

**Creates water**

**Creates energy**

**Creates carbon dioxide**

**Uses carbon dioxide**

**Uses light**

**Makes ATP**

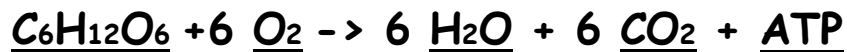
## Cell Energy

I. Cells use energy to live, grow and reproduce.

A. Plants are producers. Sugar is made in the chloroplast of a plant cell by a process called photosynthesis.

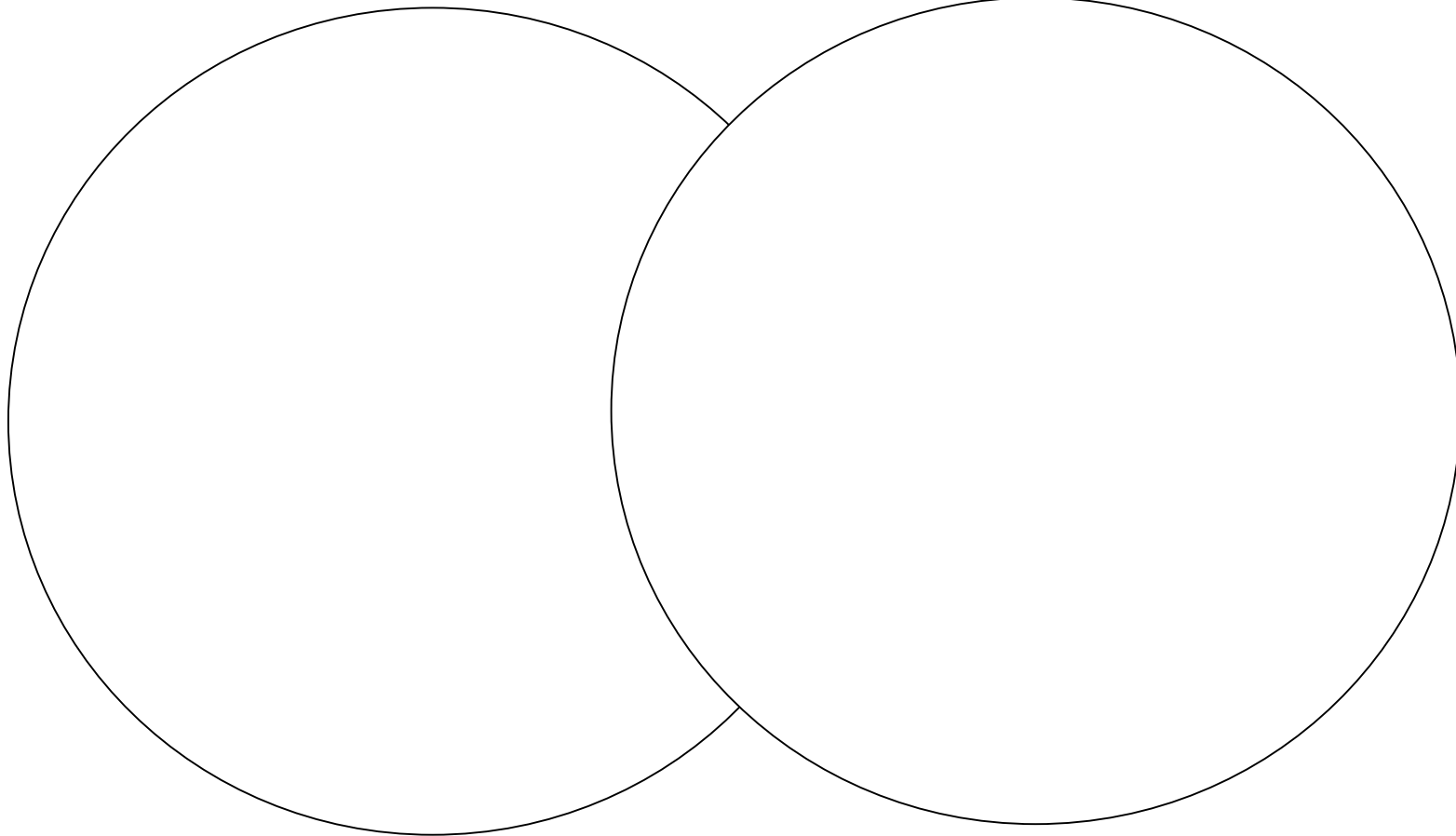


B. Energy is made from sugar in a cell's mitochondria by a process called cellular respiration to make energy for cell activities. This happens in plant and animal cells.



## Photosynthesis

## Cellular Respiration



### Photosynthesis

Done by chloroplasts

Creates oxygen

Uses carbon dioxide

Makes sugar

Uses water

Uses light

### Cellular Respiration

Done by mitochondria

Uses oxygen

Creates carbon dioxide

Use sugar

Creates water

Makes ATP

### Both

Creates energy

Needs energy