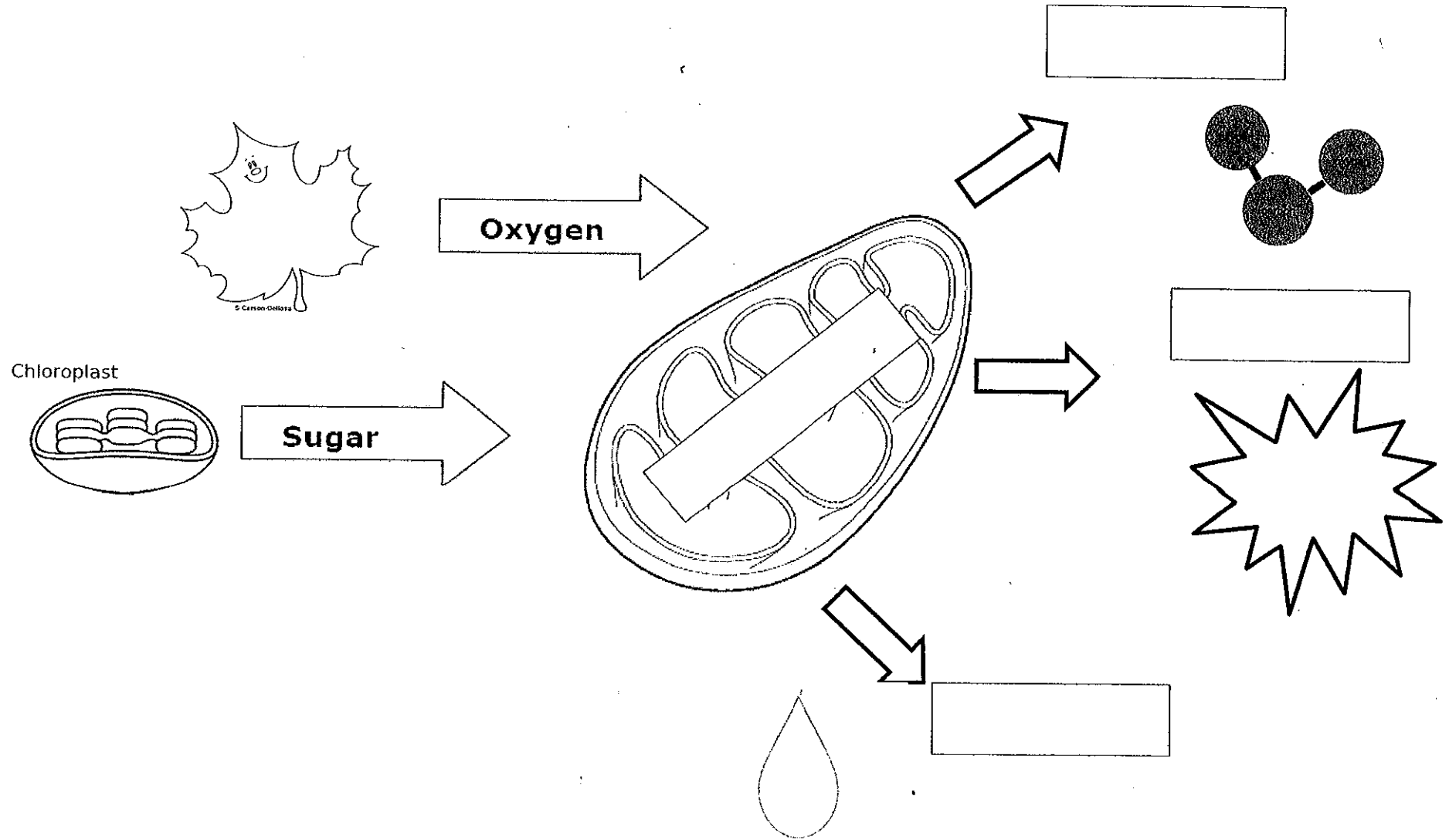
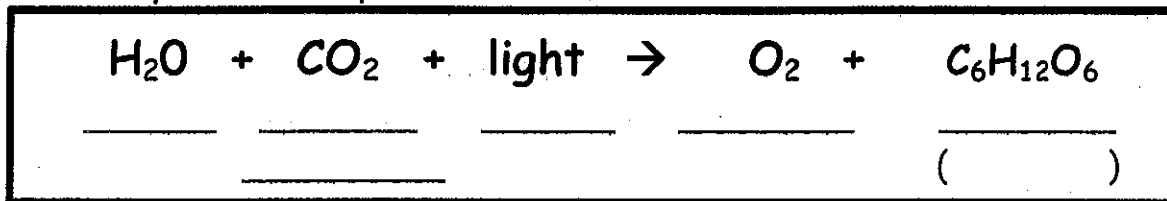


Cellular Respiration



Photosynthesis & Respiration

- _____ - A process by which plants convert sunlight, water, and carbon dioxide into food energy (sugar), oxygen and water.
- _____ - An elongated cell organelle containing chlorophyll where photosynthesis takes place.
- _____ - A green molecule which uses light energy from sunlight to change water and carbon dioxide gas into sugar and oxygen
- Photosynthesis Equation

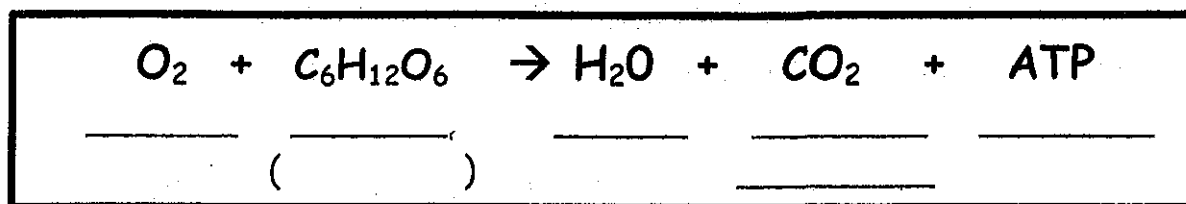


- The _____ absorbs the _____.
Chlorophyll then uses sunlight to change water, carbon dioxide and, nutrients from the soil.
The chlorophyll processes the ingredients to make _____
(plant food) and _____.

But, what about animals?

- Animals make the _____ that plants need, and plants make the _____ that animals need.
- _____ - The process by which the chemical energy of "food" molecules is released and changed into ATP.
- _____ - Rod-shaped organelles with a double membrane which converts the energy stored in glucose into ATP for the cell.

■ Respiration Equation



■ Animals & Plants Rely On Each Other

Animals use:

- _____ (from producers/plants)
- _____ (from producers/plants)

Plants use:

- _____ (from animals)

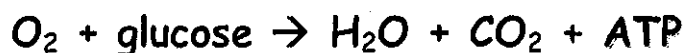
The _____ change the O_2 and sugars (food) into CO_2 , H_2O , and ATP

■ Comparing Equations:

Photosynthesis Equation:



Respiration Equation:



What do you notice about the two?

*They are _____ of each other!

