TOC # 16

Rate of Photosynthesis ~Conclusion Guide~

Title: Summarizes experiment

Paragraph #1: What background information supports the experiment?

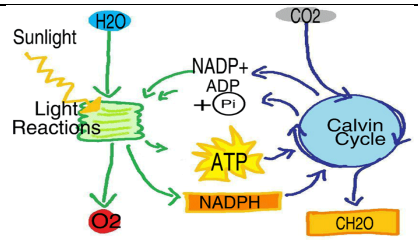
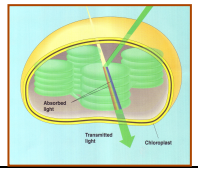
- Photosynthesis
  - •Purpose

  - •Location: What organelle and where in that organelle

Equation:

➔	
Reactants (what goes in)	Products (what comes out)

Paragraph #2: Light Vs Dark Reaction:

Light Reaction Why called Light Reaction?		**Dark Reaction** Why called Dark Reaction? Why is that not entirely correct?
Where does it occur? 		Where does it occur?
Energy formed: as _____ _____ energy and the splitting of _____ store _____ energy		**Energy formed:** The energy stored in the light reaction is used to convert _____ into _____ AKA SUGAR!
Take in: **•H_2O & Light**		**Take in:** **•CO_2**
Release: **•ATP** **•Waste: _____**		**Release:** **•Sugar (Glucose – $C_6H_{12}O_6$)** **•Waste: _____**

¶#3: Why is the experiment being done?

1. Why do we care how much photosynthesis is occur in?

Bio

Unit2: Plants

Rate of Photosynthesis Conclusion Guide

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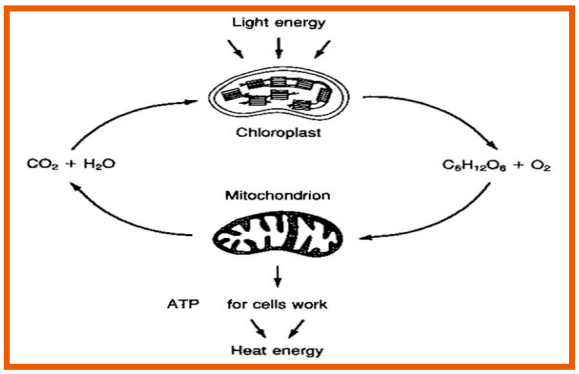
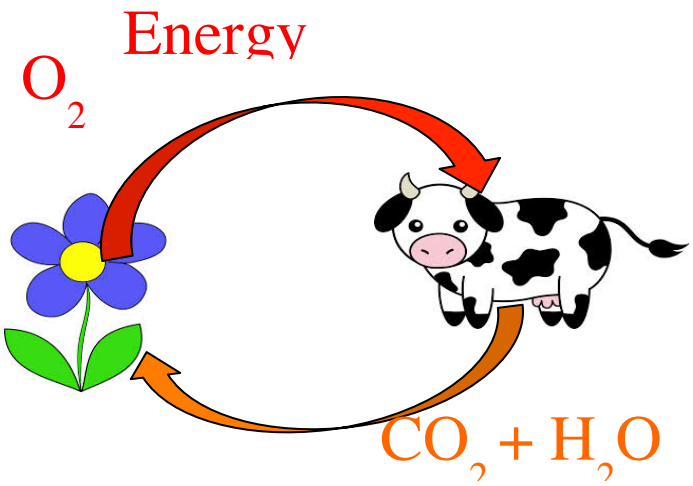
a. What is the connection between photosynthesis and the human population?

Energy	Food	Oxygen
Food Web:	STARVATION	  How are these two pictures the same?

- Make a recommendation for protecting or destroying the sun:

HOMEWORK!!! Paragraph #4: What are the predicted outcomes of the experiment? Explain

2. State predictions:

3. Explain why you expect each test to result as predicted

Low light intensity	*Med light intensity*	*High light intensity*

- What other factors might affect the rate of photosynthesis? (**Hint**: consider the reactants in the photosynthesis reaction)