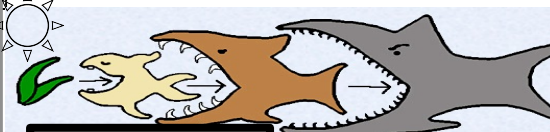


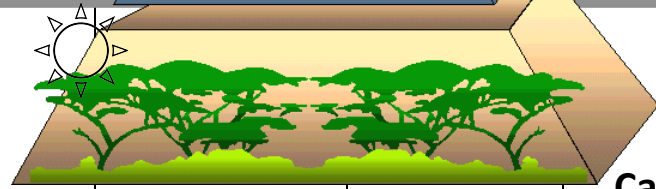
Life Cycles 2 & Interactions

Science 8
February - March 2018
Mrs. Plyter plyter.com/science

Name _____ Period _____



Food Chain



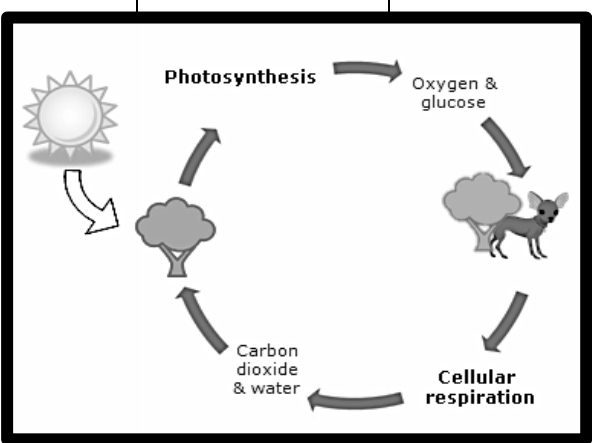
28

1	2
If Time: Stomata (in Leaves) Lab	

Points:
Objective →

Calendar Back →

← Calendar Front

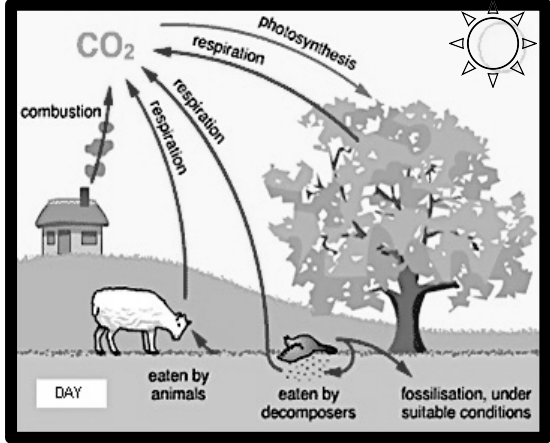


← CO₂ - O₂ Cycles →

Color Code Both Diagrams Using this Key:

Red arrow → = CO₂
Blue arrow → = O₂
Green = Photosynthetic (Green Plants)
Yellow = Light Energy
Brown dots = Respiration (All Organisms)
Black dots = Decomposers


10 _____




Online:

Photosynthesis Spin Game

Photo - Resp Equations: (C - O₂ Cycle)



Central Science Home Page: www.plyter.com/science

Life Science → ALWAYS get the SCREEN CHECKED or take a "SCREEN SHOT"!! Screen shot = **Ctrl** + 

→ Virtual Lab: Ecosystems, Organisms Tundra, Taiga, Desert, Lake, Rain Forest: **High Score** = _____ = _____

→ Virtual Lab: Model Ecosystems: Forest _____ Desert _____ Grassland _____ Ocean Shore _____ Lake _____

→ BBC Food Chains: Environment Activity _____

→ Photosynthesis & Respiration Video _____ → Mr. R's Photosynthesis Song _____

→ BBC Carbon Cycle Activity _____ → KSPS Carbon Cycle _____

McGraw Hill → → BrainPop - Photosynthesis and Respiration _____ → Mr. Travers - Photosynthesis and Respiration _____

→ Comparing Photosynthesis & Respiration _____ → Cell Structure & Function Game _____ → Matter & Energy eGame _____

Discovery Education → → Fast Carbon Cycle _____ → Slow Carbon Cycle _____

Quizzes:

Mon _____

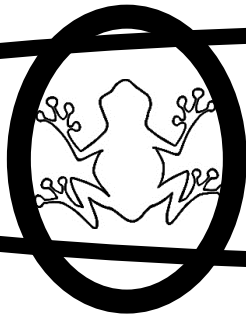
Tue _____

Wed _____

Thu _____

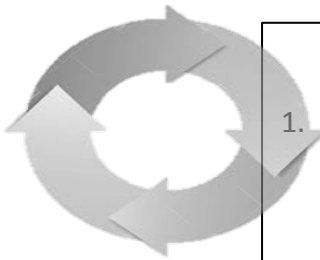
Fri _____

Total _____



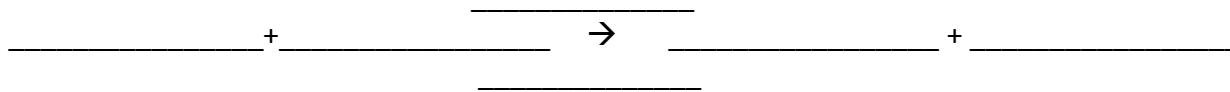
OBJECTIVE:

Write the Objective: _____



Photosynthesis and Respiration OR The Carbon Dioxide - Oxygen Cycle

1. Write the chemical equation for **photosynthesis**. Include chlorophyll and sunlight.



2. Write the chemical equation for **cellular respiration** (a form of **oxidation**). Include released energy.



3. A similar chemical reaction happens when a carbon based fuel, such as coal, oil or gasoline is burned:

Respiration, burning and rusting are all reactions with oxygen, so are forms of O _____

4. **Fossil (Carbon Based) Fuel** + _____ \rightarrow _____ + _____ + _____

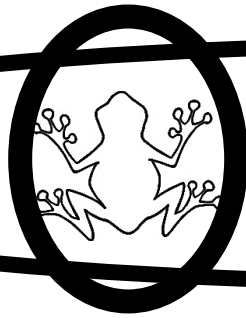
5. Photosynthesis _____ energy.

6. Cellular Respiration _____ energy.

7. **Photosynthesis** is done by _____ that have green c_____ in c_____

8. **Respiration** is done by _____

9. **Carbohydrates** is another term for _____, _____ & _____



OBJECTIVE:

Model the **Carbon-Oxygen Cycle** and the **Photosynthesis** reaction, to better understand how food ($C_6H_{12}O_6$) is formed from CO_2 and H_2O , and then used (burned) by the opposite reaction of **Respiration** as the 2 reactions form a cyclic phenomenon (2 big words for **CYCLE** ↗).