



Name: _____ Date: _____ Group: _____

Part I: Illuminating Photosynthesis <http://www.pbs.org/wgbh/nova/nature/photosynthesis.html>

Click on “Illuminating Photosynthesis” and play “The Cycle,” “Atomic Shuffle,” and “Three Puzzlers.”

1. Producers are responsible for feeding and producing oxygen for all life on Earth through the process of photosynthesis. Describe the process of photosynthesis.

2. Where does the water for the plants come from, and how does carbon dioxide enter a plant?

3. We know that a plant uses photosynthesis to make food. What is needed to break down the food and create energy?

Part II: Carbon Cycle Cartoon

<https://www.neok12.com/video/Carbon-Cycle/zX026e415401434c735c5f0a.htm>

1. Name three places that carbon can be found for plants to gain carbon dioxide.

2. Do plants return carbon to the atmosphere? How?



Part II: Carbon Cycle Cartoon, continued

3. Have the levels of carbon in the atmosphere stayed the same? Why or why not?

Part III: The Carbon Cycle

1. What type of gas is released from plants?

2. What type of gas is released from animals?

3. How does carbon cycle through the ocean and back to the atmosphere?

Conclusion

1. When it comes to breathing, how are plants and animals dependent on each other?
