

Carbon Cycle Worksheet

Student Name:

Modeling the Carbon Cycle

Directions: In this activity, you will create a model of the carbon cycle. Be sure to answer the **Research** questions, follow the instructions, and complete each remaining section of this worksheet.

Research

Pre-Activity Questions	Place your answers below.
1. What is carbon?	
2. Where is carbon found?	
3. Explain the difference between a carbon source and a carbon reservoir.	

Carbon Cycle Model Instructions

1. Complete the **Carbon Cycle Model** virtual activity on the Summary page of the lesson.
2. Save an image of your completed carbon cycle model.
3. Insert the image in the **Carbon Cycle Model** table below.

Carbon Cycle Model

Insert the image of the carbon cycle model you created in this table.
(Expand this box as needed to fit your image.)

Analysis

Questions	Place your answers below.
1. Explain one benefit of using a model of the carbon cycle.	
2. Explain one limitation of using a model of the carbon cycle.	
3. Explain what your carbon cycle model represents.	
4. In your carbon cycle model, where do you think the most carbon is stored, and why?	
5. Choose one thing that releases carbon and one thing that absorbs and/or stores carbon. Explain how carbon moves from where it is released to where it is absorbed or stored.	
6. Can you name one source (physical or biological) that can absorb carbon and also release carbon? Explain how this source can do both at the same time.	