

Name \_\_\_\_\_ Date \_\_\_\_\_

# The Carbon Cycle

## Procedures:

1. Read the article about the carbon cycle.
2. As you read, answer the questions about the carbon cycle below.
3. Turn the paper over and draw a colored diagram showing what happens to carbon as it travels through the cycle.

## Questions:

1. Explain how carbon dioxide is a greenhouse gas and what it is doing to our planet.
2. What form of carbon is in the atmosphere?
3. What process do plants use to remove carbon from the atmosphere?
4. How does carbon get from plants to animals?
5. How does carbon get in the ground?
6. What process do plants and animals use to release carbon back into the air?
7. How does carbon get from fossil fuels into the atmosphere?
8. How do ocean animals use carbon stored in the ocean?
9. What processes release carbon from rocks into the oceans?
10. How does the carbon that is stored on the ocean floor get released back into the atmosphere?

**Drawing:** Draw a colored diagram of the carbon cycle below. Use **arrows** to show when carbon moves from one place to the next. Make sure to **label** your drawing and include captions that explain **where** the carbon is, and **what** is happening to it **as it moves from place to place**. You MUST include all words in the word bank below.

Word Bank:

Carbon

Fossil Fuels

Photosynthesis

Carbon Dioxide

Decay

Ocean

Soil

Sun

Cellular Respiration

Oxygen

Atmosphere

Plants

Animals

Food Chain

dissolved

