Carbon Cycle Group Practice

1. Where do you find carbon dioxide gas? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Where is carbon dioxide dissolved? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Where is there carbon that has been captured via photosynthesis? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4) Where is there carbon that was in living things millions of years ago? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. From where do animals get their carbon? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. From where did the carbon in fossil fuels come? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Where do you fit into the carbon cycle? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Where is most of the world’s carbon? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The Water Cycle vs. The Carbon Cycle

Directions: Answer the following questions **IN COMPLETE SENTENCES**

**The Lithosphere:**

What is water that is stored in the lithosphere called?

What is carbon that has been stored in the lithosphere for millions of years called?

How does water and carbon leave the lithosphere? (hint: think about how humans are involved)

**The Atmosphere:**

Through what process does water enter the atmosphere?

What phase is water in during this phase?

What phase is carbon in when it is in the atmosphere?

**The Hydrosphere:**

Where is carbon found in the hydrosphere?

From which sphere does carbon enter the hydrosphere?

From which sphere(s) does water enter the reservoirs in the hydrosphere?

**The Biosphere:**

Where is carbon found in the biosphere?

How is water important to the biosphere?