

The Carbon Cycle

name: _____

Go to www.formontana.net/unit7.html and then scroll down to the link titled **Carbon Cycle Tutorial**. Take your time and carefully read that captions (and think!) as you click through the tutorial. Answer the following questions as you work your way through.

1. How many billions of tons of carbon are in the atmosphere? _____ billion
2. How does carbon dioxide enter the leaf of a plant? _____
3. All of the bodies of all living things is collectively referred to as _____
4. Living things and any material made by living things are made of _____ compounds
5. How is carbon passed from one organism to another? _____
6. What is litterfall? _____
7. How is animal respiration involved with the Carbon Cycle? _____

8. How many billions of tons of carbon are believed to be in soil? _____ billion
9. What is "soil respiration" and what makes it happen? _____

10. How does carbon go from the atmosphere directly into the ocean? _____
11. What are the three factors that influence the movement of carbon from air to the water?

12. Limestone is made of carbonates. How many billions of tons of carbon are stored as carbonates?
_____ billion
13. What important materials are formed if organic material does not decompose properly?

14. How many billion tons of carbon are stored as fossil fuels? _____ billion
15. How have humans impacted the carbon cycle? (What have humans been doing to speed up the movement of carbon from one part of the carbon cycle to another?)

