

Carbon cycle

The game:

1. Goto <https://biomanbio.com/HTML5GamesandLabs/EcoGames/carbonquest-page.html> and start the game. You will be a Carbon atom.

- a. How much of the atmosphere is carbon dioxide? _____
- b. What has happened over the past 150 years to the amount of carbon in our atmosphere?

- c. What does more CO₂ do to our atmosphere? _____
- d. Which absorbs more CO₂, land or ocean water? _____

i. Land questions:

1. What is decomposing plant and animal remains? _____
2. How much carbon is stored in the soil? _____
3. T/F, Soils release more carbon dioxide into the atmosphere than humans do.

ii. Ocean water questions:

1. T/F, cold water absorbs more CO₂ than warm water.
2. How much carbon is absorbed by the surface of the ocean? _____
3. What is the name of the "Wee Beasties" living in the ocean that help with Carbon absorption? _____
4. Why can't see creatures create shells if there is too much CO₂?

5. How much carbon does the deep ocean contain? _____

2. Goto http://www.quizrevolution.com/ch/a64694/go/the_carbon_cycle_quiz and watch the video provided.

3. Take the quiz. How well did you do? Which question did you respond incorrectly?

4. Do a bit of research on the questions that you responded incorrectly. Write down what you know and share with your lab group.