Carbon Cycle Web Game

Summary
Students will explore a web game that identifies sources of carbon and the changes it goes through as it travels the carbon cycle.

Main Core Tie
Science - Earth Science
Standard 3 Objective 3

Time Frame
1 class periods of 45 minutes each

Group Size
Individual

Materials
- computers with Internet access
- student worksheet (attached)

Background for Teachers
This is a good introductory lesson.

Instructional Procedures
- Hand out student sheet (attached).
- Go over the procedures.
- Have students log on to the following website: Carbon Cycle Game
- Give students time to work
- Discuss analysis questions.

Assessment Plan
Answers:
0.04%
CO2, water vapor, methane & nitrous oxide -- all these molecules vibrate when they absorb heat, they help keep heat in the atmosphere
3%
Photosynthesis is the process by which plants or other autotrophs take water and carbon dioxide and change it into sugar and oxygen
65%
phytoplankton
answers will vary
No, carbon will cycle forever
Answers will vary
- More greenhouse gases in the atmosphere

Bibliography
Lesson Design by Jordan School District Teachers and Staff.

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