

Name _____ Due Date _____ Hour _____

Carbon Cycle Story

Purpose: To create a story to explain how carbon moves through the carbon cycle and through each of the earth's four spheres.

Materials: paper, pencil, colored pencils, crayons

Procedure:

1. Your story must have a main character/narrator with a name which represents a carbon atom and a plot.
2. Your story will need to be typed in a standard font, size 14 and follow all Language Arts rules for spelling, punctuation, and grammar. You may include a few illustrations with your story.
3. You must name and explain the four earth spheres and how carbon is moving through the spheres.
4. You must include the ten vocabulary terms from your Carbon Cycle Sentences worksheet.
5. You must end in the same sphere you started in to show a full cycle.

6. Analysis:

1. Do you think carbon could really travel through all four earth spheres? Explain your answer in detail.

2. How long will it take for carbon to travel through your carbon cycle? Explain your answer in detail.

3. Where are some places carbon could get stuck and stay for hundreds or more years? Explain your answer in detail.

4. Where are some places carbon will only stay for a short time? Explain your answer in detail.

Rubric

Part 1

_____ Main Character- 1 pt

_____ plot- 3 pts

_____ 4 earth spheres explained- 2pts each for 8 pts

_____ 10 Carbon Cycle terms-1pt. each for 10 pts.

_____ of 22 points

Part 2

Analysis questions- 1pt for answer, 3 pts for a complete explanation.

_____ Analysis question 1-4pts

_____ Analysis question 2- 4pts

_____ Analysis question 3- 4pts

_____ Analysis question 4- 4pts

_____ of 16 points

Part 1 _____

Part 2 _____

Total Points _____/38

Grade _____%