

Name:

Date:

Period:

Cycles in Nature: Nitrogen, Carbon and Water

Nitrogen Cycle

http://www.ext.vt.edu/resources/4h/virtualfarm/flash_mov/nitrogencycleintro.swf

1. Nitrogen makes up _____ of the air
2. Much of the nitrogen in the soil is found in _____.
3. Bacteria help convert nitrogen into useful forms through the processes of _____ and _____.
4. What do you think would happen if the nitrogen-fixing bacteria were no longer present?
5. Plants get their nitrogen from _____ and animals get their nitrogen from _____.
6. Can too much nitrogen be a problem? How so?
7. Based on what you now know about the nitrogen cycle, why do you think cow manure is used as fertilizer?

Carbon Cycle

http://www.epa.gov/globalwarming/kids/carbon_cycle_version2.html

8. What are the 7 places that you can find carbon?
9. How do plants and trees use carbon?
10. How can plants that are underwater get the carbon that they need?
11. How does combustion put extra carbon into the atmosphere?

12. How does deforestation put extra carbon into the atmosphere?

13. The addition of extra carbon dioxide in the atmosphere can lead to _____.

When you finish the 5 scenes, click on "Take the Quiz." Raise your hand when you finish the quiz so that the instructor can write down your score.

Quiz Score _____

Water Cycle

http://www.epa.gov/globalwarming/kids/water_cycle_version2.html

14. In what four places is water stored on earth?

15. How does water move from the ground to the atmosphere?

16. How does water move from the atmosphere to the ground?

17. Global warming makes the water cycle more _____ and _____.

18. Global warming can cause _____ precipitation near bodies of water and _____ precipitation away from bodies of water.

19. What are some of the affects of global warming near bodies of water?

20. What are some of the affects of global warming away from bodies of water?

When you finish the 5 scenes, click on "Take the Quiz." Raise your hand when you finish the quiz so that the instructor can write down your score.

Quiz Score _____