**Nutrient Cycles Web Activity**

1) Carbon Game: <https://www.windows2universe.org/earth/climate/carbon_cycle.html>

Go to the above website where you will pretend to be a carbon atom cycling through an ecosystem. Write down each location you go with a brief description.

***Discussion Question:***

***Explain what happens when the levels of atmospheric carbon dioxide rise. (Hint: Think about what will happen on land and in the oceans as well.)***

2) Nitrogen Cycle: <https://wv.pbslearningmedia.org/resource/lsps07.sci.life.eco.nitrogen/the-nitrogen-cycle/>

Visit the above website and explore the nitrogen cycle. Take notes at each step in the cycle.

***Discussion Question:***

***What is the role of bacteria in the nitrogen cycle? What would happen if we didn’t have those bacteria in our ecosystems?***

3) Water Cycle: <https://www3.epa.gov/safewater/kids/flash/flash_watercycle.html>

Visit the above website and take notes on each step of the water cycle.

***Discussion Question:***

***Is water a renewable or nonrenewable resource?***