Sci 9 Nutrient Cycle WS Name:

1. Where are nutrients accumulated or stored for LONG periods of time?
2. Where are nutrients accumulate for SHORT periods of time?
3. Explain how trees provide a large reserve of carbon.
4. How do how animals store carbon?
5. In your own words, explain why photosynthesis and cellular respiration are considered to be

complementary processes.

1. Give the chemical formulas of the reactants and products of photosynthesis.
2. Complete the following reactions by filling in the missing substances:

6 CO2 + 6 \_\_\_\_ + energy \_ C6H12O6 + \_\_\_\_ Name of reaction - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_ + oxygen gas \_ \_\_\_\_ gas + water + energy Name of reaction - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Name 6 natural processes in which carbon dioxide is cycled.
2. Explain the importance of decomposers in the carbon cycle.
3. Which of the following will ADD OXYGEN to the atmosphere?
4. planting trees
5. cutting down trees
6. burning fossil fuels
7. decomposing organisms
8. How are humans moving carbon dioxide? Where does it go?
9. Explain three major consequences of Global Warming due to burning of fossil fuels.
10. What is eutrophication? (see remainder of PPT)