**The Carbon and Nitrogen Cycle: What goes around comes around**

1. What are the element numbers for Carbon and Nitrogen on the periodic table of elements?
2. Carbon: \_\_\_\_\_\_\_\_\_\_
3. Nitrogen: \_\_\_\_\_\_\_\_\_
4. True/False: Carbon and nitrogen are essential for living organisms.
5. Who were the two scientists that discovered the carbon cycle?
6. What are carbon and nitrogen storage pools?
7. What are the two forms of carbon gas that are in the atmosphere?
8. What are the four forms of nitrogen that we see in the nitrogen cycle?
9. What are greenhouse gases?
10. What are two ways that carbon is transferred from the atmosphere? What carbon pool are they transferred to?
11. What are two ways that carbon is transferred from the hydrosphere? What carbon pool are they transferred to?
12. What is one way that carbon is transferred from the lithosphere? What carbon pool is it transferred to?
13. What are two ways that carbon is transferred from the biosphere? What carbon pool are they transferred to?
14. What gas product do livestock species produce as a product of digestion?
15. What are two ways that humans impact the carbon cycle?
16. What are the five major processes in the nitrogen cycle?
17. What are two impacts that humans have on the nitrogen cycle?
18. Why has the Earth’s temperature been rising consistently over the past few decades?
19. True/False: Carbon dioxide and temperature are not related and are independent of each other.