

Name \_\_\_\_\_ Date \_\_\_\_\_

## CARBON & NITROGEN CYCLES CLASSWORK

Instructions: Choose to EITHER label the cycle figures (pictures) OR complete the sentence stems.

### Sentence stems: NITROGEN CYCLE

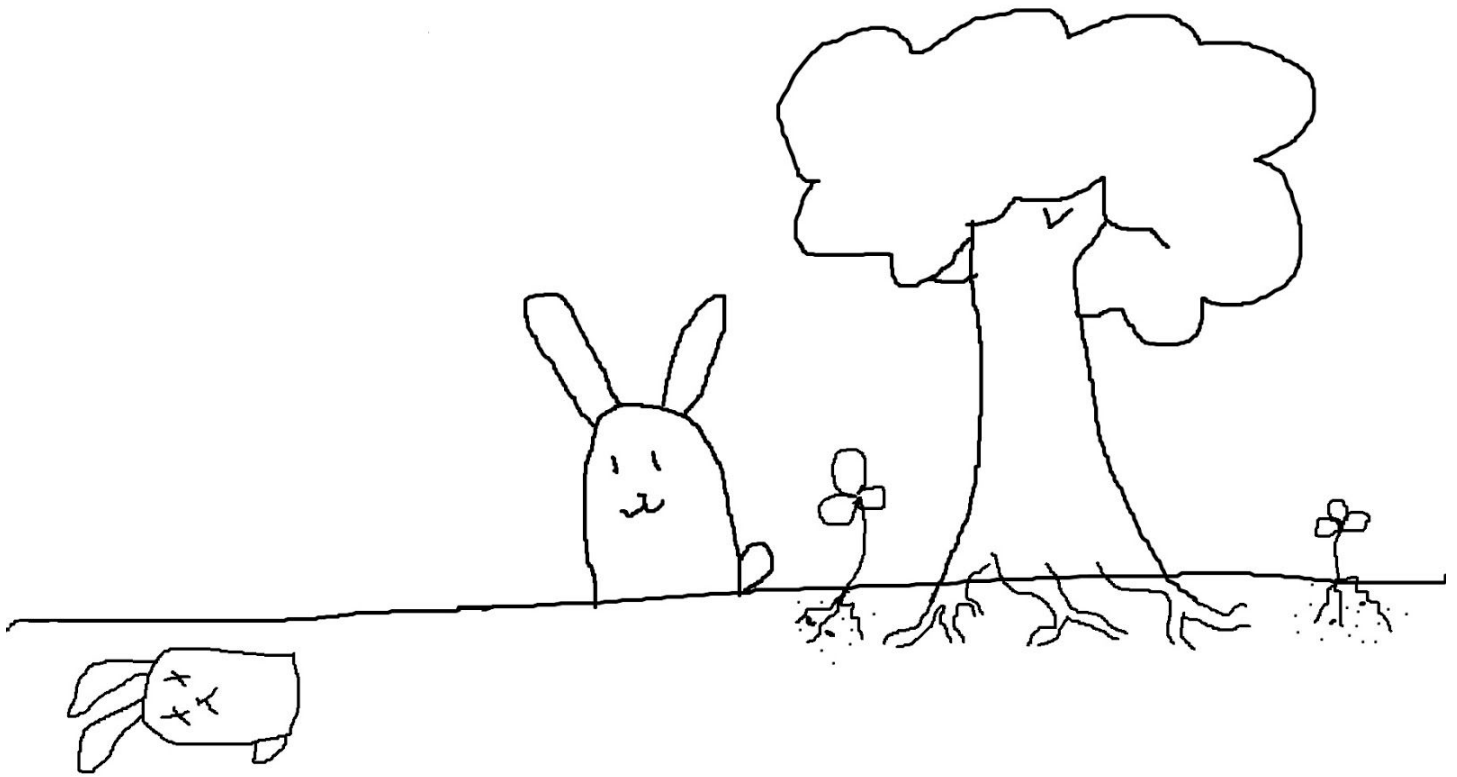
1. About 78% of Earth's air is made up of \_\_\_\_\_ gas.
2. Gaseous Nitrogen is converted into a usable form by \_\_\_\_\_ or \_\_\_\_\_.
3. After being converted, Nitrogen is absorbed by \_\_\_\_\_.
4. \_\_\_\_\_ consume plants, absorbing their Nitrogen.
5. Nitrogen is passed through food webs as \_\_\_\_\_ consume one another.
6. Nitrogen is released from living animals through \_\_\_\_\_.
7. Dead organisms are broken down by \_\_\_\_\_, releasing Nitrogen from their bodies back to the soil. \_\_\_\_\_ can absorb this Nitrogen once again.
8. Soil \_\_\_\_\_ break down Nitrogen and convert back into a \_\_\_\_\_, releasing it back to the atmosphere.

### CARBON CYCLE

1. \_\_\_\_\_ and \_\_\_\_\_ (burning) both release carbon dioxide into the atmosphere.
2. \_\_\_\_\_ remove carbon dioxide from the atmosphere using \_\_\_\_\_.
3. \_\_\_\_\_ consume plants, passing the \_\_\_\_\_ along the food chain.
4. Most carbon \_\_\_\_\_ consume is exhaled as \_\_\_\_\_ during respiration.
5. \_\_\_\_\_ obtain energy from their food using \_\_\_\_\_.
6. Dead organisms are broken down by \_\_\_\_\_, and the carbon in their bodies is returned to the atmosphere as \_\_\_\_\_.
7. Occasionally, if decomposition is blocked, the plant or animal material may become available as \_\_\_\_\_ in the future.

Labeling - include detailed arrows and labels

### NITROGEN CYCLE



### CARBON CYCLE

