

Ecological Cycle Notes

Fill in the notes while listening to the other groups present.

Water Cycle-

1. Make sure that you know what each of the following words means:

A. Evaporation- _____

B. Transpiration- _____

C. Precipitation- _____

D. Condensation- _____

2. List the following in the correct order: condensation, evaporation, precipitation.

3. When a plant loses water thru its leaves it is called _____

4. How do plants obtain water? _____

5. How do animals obtain water? _____

6. During which part of the cycle can pollution enter? _____

7. How does water enter the atmosphere? _____

8. How does water leave the atmosphere? _____

9. How does temperature effect this cycle? _____

Draw a simple picture that depicts the water cycle.

Carbon Cycle-

1. Make sure that you know what each of the following words means:

A. Photosynthesis- _____

B. Respiration- _____

C. Deforestation- _____

2. The eruption of a volcano would _____ carbon and be an example of _____ process.

3. Plants _____ carbon by _____.

4. Animals _____ carbon by _____.

5. Photosynthesis and respiration are examples of _____ process.

6. After a fire the trees and plants decompose and _____ carbon by _____ process.

7. Be able to explain how humans add to the carbon in the environment _____.

8. What happens to the carbon level when large areas are deforested? _____

Draw a simple picture that depicts the carbon cycle.

Nitrogen Cycle-

1. Make sure that you know what each of the following words means:

A. Decomposition- _____

B. Denitrification- _____

C. Nitrogen fixation- _____

D. Deposition/ excretion- _____

2. An organism that can make its own food is called a -

3. An organism that has to obtain its food by eating is called

4. How is nitrogen important to living organisms?

5. Nitrogen is found as Nitrate (_____), Nitrite (_____) and as Nitrogen Gas (_____)

6. Do humans add or take nitrogen out of the cycle? _____

In what form ? _____

7. What must happen to nitrogen gas before a plant can use it? _____

8. Where do consumers get their nitrogen? _____

9. What would happen if there was no nitrogen in the environment? Explain in detail, what will not be made.

Draw a simple picture that depicts the nitrogen cycle.

Group Discussion: This is to be completed after all three groups have presented their information.

1. What would happen if several volcanoes erupted at the same time? Which cycles would be affected and how?

2. Why is it unsafe to swim in a lake near a farm or ranch? Which cycles would be affected and how?

3. Why is global warming a concern? Which cycles would be affected and how?

4. If all of the ice caps melted how would this affect they cycles? Which cycle would be affected and how?
