

Water Cycle- Each person in your group must be able to teach each of the following:

Definitions:

1. Evaporation
2. Condensation
3. Precipitation
4. Transpiration
5. Runoff
6. Seepage
7. Root uptake

Questions that you must be able to teach:

1. Be able to trace one water molecule all the way through the cycle
2. How does water enter the atmosphere?
3. How does water leave the atmosphere?
4. Where would pollution enter the cycle
5. Where would pollution leave the cycle
6. How does temperature effect this cycle? Know how hot and cold will effect this cycle .

Carbon Cycle- Each person in your group must be able to teach each of the following:

Definitions:

1. Photosynthesis—list what is made, list what is used, and list the organisms that do photosynthesis
2. Respiration—list what is made, list what is used, and list the organisms that do respiration
3. Biological Processes—know examples
4. Geochemical Processes—know examples
5. Biogeochemical processes—know examples
6. Human activity—know examples
7. Deforestation

Questions that you must be able to teach:

1. Be able to trace one carbon molecule all the way through the cycle
2. How is carbon released into the atmosphere naturally, name all three (human activity is not included in this)
3. How is carbon taken out of the atmosphere naturally, name both (human activity is not included in this)
4. How do humans affect the carbon cycle? Do they take carbon out or release carbon into the environment?
5. Why is deforestation bad? How does it affect the carbon cycle? Does it take carbon out or release carbon into the environment?

Nitrogen Cycle- Each person in your group must be able to teach each of the following:

Definitions:

1. Decomposition
2. Denitrification
3. Nitrogen fixation—both types
4. Deposition/ excretion
5. Producer
6. Consumers

Questions that you must be able to teach:

1. Why is nitrogen important to living organisms?
2. What percentage of nitrogen gas is found in the atmosphere?
3. Nitrogen is found in what compounds?
4. How do human add to the nitrogen to the environment?
5. Can all organisms use nitrogen gas?
6. Where do producers get their nitrogen?
7. Where do consumers get their nitrogen?
8. What would happen if there was no nitrogen in the environment? Explain in detail, what will not be made