

Biogeochemical Group Jigsaw Activity

Purpose: To become familiar with 3 of the 4 primary biogeochemical cycles found on Earth. **(YOU WILL BE RESPONSIBLE FOR ALL 4)**

Procedure:

1. You have been placed into a group of three. Each will be assigned either the **CARBON, NITROGEN & PHOSPHORUS** cycle.
2. Next, you will move into ANOTHER group where you will learn the details of the cycle you have been assigned. In this group you will have approximately 15-20 minutes to discuss and learn about your group's cycle. You will become the EXPERT on this cycle and will do the following:
 - a. Create a quick sketch of your cycle
 - b. Explain the importance of the cycle (**how the cycle is being used on Earth**)
 - c. Identify the major reservoirs of your cycle (**where the matter is located and in what forms**)
 - d. The role of plants, animals, and/or humans in your cycle
3. Next, you will RETURN to your originally assigned group of 3 and do the following: **(WITH ONLY YOUR NOTES TO GUIDE YOU)**
 - a. TEACH your cycle to the other members of your group. You have become the EXPERT and the others will take notes as you discuss. You will have 15-20 minutes to teach.
4. Lastly before you leave today you will complete the “**Cycle Worksheet Review**” using your notes to determine if you recorded all of the information you will need to be ready for a quiz or summative assessment in my class.

Biogeochemical Group Jigsaw Activity

Purpose: To become familiar with 3 of the 4 primary biogeochemical cycles found on Earth. **(YOU WILL BE RESPONSIBLE FOR ALL 4)**

Procedure:

5. You have been placed into a group of three. Each will be assigned either the **CARBON, NITROGEN & PHOSPHORUS** cycle.
6. Next, you will move into ANOTHER group where you will learn the details of the cycle you have been assigned. In this group you will have approximately 15-20 minutes to discuss and learn about your group's cycle. You will become the EXPERT on this cycle and will do the following:
 - e. Create a quick sketch of your cycle
 - f. Explain the importance of the cycle (**how the cycle is being used on Earth**)
 - g. Identify the major reservoirs of your cycle (**where the matter is located and in what forms**)
 - h. The role of plants, animals, and/or humans in your cycle
7. Next, you will RETURN to your originally assigned group of 3 and do the following: **(WITH ONLY YOUR NOTES TO GUIDE YOU)**
 - b. TEACH your cycle to the other members of your group. You have become the EXPERT and the others will take notes as you discuss. You will have 15-20 minutes to teach.
8. Lastly before you leave today you will complete the “**Cycle Worksheet Review**” using your notes to determine if you recorded all of the information you will need to be ready for a quiz or summative assessment in my class.