

Biogeochemical Power Point Presentations

Draft Copy

Points: total is 365, 200 for the Power Point, 65 for the Handout and a 100 points for the information sheet.

Purpose: Students will understand how the various biogeochemical cycles and other related cycles.

Materials:

- 1) Textbooks
- 2) Internet
- 3) Power Point

Procedure:

- 1) Students will get into groups so the class is divided into eight nearly equal groups.
- 2) The groups will be assigned one of the biogeochemical cycles or other global cyclic activities. Biogeochemical Cycles: Carbon, Nitrogen, Oxygen, Phosphorus, Sulfur, or Water; other Global Cycle: Rock, Soil
- 3) The group will conduct research on their cycle using textbooks, internet and other resources.
- 4) The group will develop a power point presentation with a 2 – 3 page handout.
 - a. See score sheet for points.
- 5) The students should use the peer assessment score sheet as their guide to develop their power point and handout.
 - a. Time: 2 point per minute, maximum points 10
 - b. Oral Presentation: every one in the groups speaks, students should stand while presenting, students should speak clearly, slowly, students use note cards not the power point to present the topic.
 - c. The power point must include sound, sound from the program earns only 10 points, and sound from other sources earns 20 points.
 - d. Transitions are the movement between slides.
 - e. The overall appearance includes the background and letter appearances, size, amount of writing on a slide (keep it simple, use bullets)
 - f. The presentation needs to have an appropriate opening
 - g. The power point must include causes and effects of man's influence on the biogeochemical cycle.
 - h. The power point must include diagrams and/or graphs and pictures.
 - i. Be sure to include all your resources in your bibliography slide.
 - j. Finally, include an appropriate closing.
 - k. For bonus points include a short video clip and/or animations, no longer than one minute.
- 6) The students should use the peer assessment score sheet as their guide to develop their handout.

- a. Be sure to include your Biogeochemical Cycle name, all the students' names and limit the group handout to 2 – 3 pages.
 - b. Be sure to include all your resources in your bibliography.
- 7) The group will present the project to the class and be graded by both the teacher and other students in the class using a form in a peer assessment format.
- 8) Students will receive a grade for their power point and the handout.
- 9) The group will provide the power point presentation to the instructor on the due date by either a USB drive or a CD-ROM, emails only with permission of the instructor, no disk drives (probably won't fit on a disk drive)
- 10) The power point will be graded by both the instructor and other students in the class using the peer assessment format.
- 11) Students will complete the Biogeochemical Cycle Information Sheet individually for points.
- 12) Students will receive a grade for their power point, handout, the presentation and the information sheet.

Results:

Your groups power point.

Conclusion:

Your individual information sheet completed.

Biogeochemical Power Point Presentations

Students Names:

Biogeochemical Cycle Name:

Presentation	Points Possible	Points Received	Comments
Time: Start End (2 points/minute)	10		
Oral	20		
Question	20		
Sub-total	50		
Power Point			
Sound (10 from program, 10 imported)	20		
Transitions	10		
Overall Appearance	20		
Sub-total	50		
Information			
Opening	10		
The Cycle Cycle flow Components Information	10 10 10		
Man's Influence Causes Effect	10 10		
Diagrams (at least 2)	10		
Pictures (at least 1)	10		
Bibliography	10		
Closing	10		
Bonus Points			
Animations (linked to presentation)	(10)		
Video (linked to presentation)	(15)		
Sub-total	100		
Grand Total	200		

Mr. Bryan's Score: ___ x 2 = ___

Scorer's Name:

Student Score ___

Student Score ___

Total ___

Average ___

Biogeochemical Power Point Handout Score Sheet

Students Names:

Period #:

Biogeochemical Cycle Name:

Presentation	Points Possible	Points Received	Comments
Set-up			
Biogeochemical Name	5		
Student Names	5		
Page limitations	5		
The Cycle			
Cycle flow	5		
Components	5		
Information	5		
Man's Influence			
Causes	5		
Effect	5		
Diagrams (at least 2)	10		
Pictures (at least 1)	10		
Bibliography	5		
Total	65		

Graded By: _____