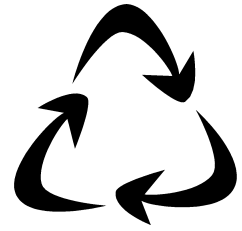


Biogeochemical Cycles Poster Project



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Your Task: You will produce a creative depiction of the 3 main biogeochemical cycles to help you better understand the movement of materials through ecosystems. Your poster must be original and thoughtful. Adding three-dimensional elements can transform a plain diagram into an artistic presentations! Be creative!

Directions:

- 1) You may work in groups of three.
- 2) Your poster must include all 3 biogeochemical cycles.
- 3) Each part of the cycle must be clearly labeled.
- 4) Each process must include arrow to show the direction(s) of the process.
- 5) Each object must have a diagram/picture to represent it.
- 6) All key terms listed below must be included.

*****Please refer to the grading rubric below to make sure you include all elements of the assignment*****

Key Terms that Must be included:

Carbon Cycle

carbon dioxide
oxygen
photosynthesis
respiration
plants
animals
volcanoes
shells
sunlight
emissions
fossil fuels
ocean
decomposition

Nitrogen Cycle

atmospheric nitrogen
nitrogen fixing bacteria

plants
animals
animal waste
denitrifying bacteria

soil nitrates

Water Cycle

evaporation
transpiration

precipitation
condensation
runoff
groundwater

Grading Rubric:

- a. Completeness (25 points)
 - i. All key topics listed above are included in poster
 - ii. Each process is represented by a arrow
 - iii. Each object has a diagram to represent it
- b. Accuracy (25 points)
 - i. Information is correctly placed in poster
 - ii. All words are spelled correctly
- c. Neatness (25 points)
 - i. All pictures, drawings, or graphics are neat and easily identifiable
 - ii. All words are clear and legible

iii. The poster includes color and/or construction paper

Total Point Value: 75 points