

Biogeochemical Cycle Comic Strips or Stories

Each comic or story needs to describe the biogeochemical cycle so a 4th grader can understand the concept. You will have a total of 5 different comics, carbon cycle, nitrogen cycle, phosphorus cycle, Sulphur cycle and hydrologic cycle. You also need to include all of the below terms that are underlined in your story. You cannot list the definitions somewhere else, it needs to be included into the story. You must have pictures, at least one main character, include the term biogeochemical cycle, human impacts, and LOTS of color in each story. You will be graded with the rubric on the backside of this page.

Great Website for information

*** <https://enviroliteracy.org/air-climate-weather/biogeochemical-cycles/> ***

Phosphorus Cycle

- _ Assimilation
- _ Weathering
- _ Decomposition
- _ Phosphate Mining
- _ Excretion
- _ Geologic uplift
- _ Erosion
- _ Ingestion
- _ Absorption
- _ Burial

Carbon Cycle

- _ Respiration
- _ Photosynthesis
- _ Reservoir
 - _ Atmosphere
 - _ Fossil fuels
 - _ Ocean
- _ Combustion
- _ Decomposing
- _ Decay
- _ Carbon sink

Nitrogen Cycle

- _ Nitrogen Fixation
 - _ Atmospheric: From lightning
 - _ Industrial: From ammonia (fertilizers)
 - _ Nitrogen fixing: bacteria in soil
- _ Decay
- _ Nitrification
- _ Denitrification
- _ Assimilation
- _ Ammonification
- _ Legumes

Sulfur Cycle

- _ Volcanic
- _ Reservoir
 - _ Atmosphere
 - _ Soil and Rocks
 - _ Ocean
- _ Deposition
- _ Hydrogen sulfide
- _ Erosion
- _ Decomposition
- _ Deposition
- _ Sulfuric Acid
- _ Combustion
- _ Absorption
- _ Bacterial decay

Hydrologic Cycle

- _ Evaporation
- _ Transpiration
- _ Condensation
- _ Runoff
- _ Precipitation
 - _ Rain
 - _ Snow
 - _ Sleet
 - _ Hail
- _ Groundwater
- _ Reservoir
 - _ Atmosphere
 - _ Ocean
 - _ Snow and Ice

Described in at least 1

- _ Biosphere
- _ Biomass
- _ Abiotic
- _ Biotic
- _ Ozone
- _ Chemical Reaction
- _ Limiting Factor