



Carbon cycle and phosphorus cycle

Carbon cycle and phosphorus cycles can be considered as nutritive cycles. The carbon and phosphorus cycle is involved in the recycling of carbon in ecosystems while phosphorus cycle is involved in the recycling of phosphorus. The main difference between carbon and phosphorus cycle is a type of gaseous cycling whereas the phosphorus cycle does not interact with the atmosphere. Therefore, the carbon cycle is a type of gaseous cycling whereas the phosphorus cycle does not interact with the atmosphere. - Definition, Features, Process 2. What is Phosphorus Cycle - Definition, Features, Process 3. What are the Similarities Between Carbon and Phosphorus Cycle - Comparison of Key Differences Key Terms: Carbon Cycle, Carbon Dioxide, Ecosystems, Food Chains, Nutritive Cycles, Phosphates, Phosphorus Cycle What is Carbon Cycle The series of processes that are involved in the ecosystems are collectively referred to as the carbon cycle. The major reservoirs of carbon are found in oceans and as fossil fuels. Atmospheric carbon dioxide is absorbed by photosynthetic organisms such as plants and algae to produce carbohydrates. This process is called photosynthesis. These carbohydrates pass through food chains; herbivorous animals eat plants for food, and carnivorous animals eat herbivorous animals for food. waste material of cellular respiration. Once these plants and animals are dead, decomposers works on the dead matter and some amount of carbon dioxide. Ultimately, the rest of the carbon is released to the environment by the combustion of fossil fuels. The carbon cycle is shown in figure 1. Figure 1. Figure 1. Carbon cycle Pollution and deforestation are human activities which disturb the carbon cycle. Phosphorus can end of processes that are involved in the recycling of phosphorus in the ecosystems are referred to as the phosphorus cycle. Phosphorus can be considered as an important component of living organisms since it is involved in the formation of biological membranes, genetic materials, bones, teeth, and shells. The natural phosphorus Cycle Phosphorus moves through the food chain by forming structures in living organisms. Only a little amount of phosphorus causes acid rains. Similarities Between Carbon and Phosphorus Cycle Carbon cycle and phosphorus cycle are two processes involved in recycling the materials of the ecosystems. Both carbon and phosphorus cycles can be considered as nutritive cycles. Both cycles interact with animals and other nature-related living things in the ecosystem. Both carbon and phosphorus cycles can be considered as nutritive cycles. compounds of carbon are interconverted in the ecosystems are referred to as the phosphorus cycle. Interaction with Atmosphere Carbon cycle: Carbon cycle interacts with the atmosphere. Phosphorus Cycle: Phosphorus cycle is a slow process. Respiration Carbon Cycle: Carbon cycle is a slow process. Phosphorus cycle is a slow process. Phosphorus cycle is a slow process. Phosphorus cycle is a slow process. gaseous components to the atmosphere. Cycling Pool of the carbon cycle: The cycling pool of the phosphorus cycle is present in the lithosphere. Type of Cycling Carbon Cycle: The cycling pool of the phosphorus cycle is present in the lithosphere. Type of Cycling Pool Carbon Cycle: The cycling pool of the carbon cycle is present in the lithosphere. Type of Cycling Carbon Cycle: The cycling pool of the phosphorus Cycle: The cycling Pool Carbon Cycle is a type of the cycling Pool Carbon Cycle is present in the lithosphere. phosphorus cycle is a type of sedimentary cycling. Major Reservoirs of phosphorus cycle: The major reservoirs of phosphorus cycle: The major reservoirs of phosphorus cycle in rocks. Conclusion Carbon and phosphorus cycle is a type of sedimentary cycling. the recycling of nutrients in the ecosystems. Both carbon cycle is involved in the recycling of phosphorus in the ecosystems. The phosphorus cycle is involved in the recycling of phosphorus in the ecosystems. The phosphorus cycle is involved in the recycling of phosphorus cycle is whereas the phosphorus cycle lacks a significant gaseous phase. Therefore, the main difference between carbon and phosphorus cycle." Tribal Energy and Environmental Information, Available here. Accessed 17 Aug. 2017.2. "Phosphorus Cycle." The Environmental Literacy Council, Available here. Accessed 17 Aug. 2017. Image Courtesy: 1. "Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image:Carbon cycle-simple diagram." By FischX - own work based on Image the carbon and phosphorus cycle is that the carbon cycle is that the atmosphere. Carbon cycle vs. Phosphorus cycle does not have its interrelation with the atmosphere, whereas the phosphorus cycle is that the carbon cycle is the series in which the atmosphere. Carbon cycle is the series in which the atmosphere cycle does not have its interrelation with the atmosphere. Carbon cycle is the series in which the atmosphere cycle does not have its interrelation with the atmosphere. Carbon cycle is the series in which the atmosphere cycle does not have its interrelation with the atmosphere. 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In the carbon cycle, its cycling poll is existing only in the hydrosphere as well as in the atmosphere; conversely, in the phosphorus cycle, its cycling is generally considering as the carbon cycle; on the flip side, the kind of sedimentary cycling is generally known as the phosphorus cycle.Various of the main pools of carbon are oceans, atmosphere, and fossil fuels; on the other hand, some of the chief pools of phosphorus are calcium phosphate. In the carbon cycle, the atmospheric involvement of carbon by rainfall is considerable; conversely, atmospheric participation of phosphorus are calcium phosphate. in the phosphorus cycle is negligible. Carbon could react with water to produce acid in the carbon cycle; on the flip side, in the atmosphere during the carbon cycle, whereas phosphorus could not cycle in the form of a gas in the atmosphere during the phosphorus cycle. In the carbon cycle, the phosphorus is taken up to plants by their stomata, while in the phosphorus cycle is great between organisms and their atmosphere; on the contrary, the gaseous exchange through the phosphorus cycle is great between organisms and their atmosphere; on the contrary, the gaseous exchange through the phosphorus cycle is great between organisms and their atmosphere; on the contrary, the gaseous exchange through the phosphorus cycle is great between organisms and their atmosphere; on the contrary, the gaseous exchange through the phosphorus cycle is great between organisms and their atmosphere; on the contrary, the gaseous exchange through the phosphorus cycle is great between organisms and their atmosphere; on the contrary, the gaseous exchange through the phosphorus cycle is great between organisms and their atmosphere; on the contrary, the gaseous exchange through the phosphorus cycle is great between organisms and their atmosphere; on the contrary, the gaseous exchange through the phosphorus cycle is great between organisms and their atmosphere; on the contrary, the gaseous exchange through the phosphorus cycle is great between organisms and their atmosphere; on the contrary, the gaseous exchange through the phosphorus cycle is great between organisms and their atmosphere; on the contrary, the gaseous exchange through the phosphorus cycle is great between organisms and their atmosphere; on the contrary, the gaseous exchange through the phosphorus cycle is great between organisms and their atmosphere; on the contrary, the gaseous exchange through the phosphorus cycle is great between organisms and their atmosphere; on the contrary, the gaseous exchange through the contrary organisms and the phosphorus cycle is great between organisms and the phosphere; on the contrary organisms atmosphere; on the contrary organisms at mosphere; on the contrary organisms atmo considered negligible between organisms and their environment. Comparison ChartCarbon Cycle Phosphorus CycleCarbon Cycle generally refers to the sequences in which several processes occur through which carbon compounds are interchanged within the ecosystem. The phosphorus cycle usually refers to the sequences in which several processes occur through which carbon compounds are interchanged within the ecosystem. occur through which phosphorus compounds are interchanged within the atmosphere does not occurSpeedConsiders as the rapidly occurring processRespirationDischarges carbon dioxide to the environmentNo discharge of any kind of gaseous components to the environmentCycling pool is existing only in the lithosphereType of CyclingThe kind of gaseous cycling is generally known as the phosphorus cycleMajor ReservoirsThe main pools of carbon are oceans, atmospheric involvementThe atmospheric involvement of carbon by rainfall is considerableAtmospheric participation of phosphorus is negligibleReaction with WaterCould react with water to produce acidThe phosphorus cannot react with waterAs a Gas in the atmospherePhosphorus could not cycle in the form of a gas in the atmosphereCarbon rotate as a gas in the atmosphereCarbon rot the soilGaseous ExchangeThe gaseous exchange is great between organisms and their atmosphereThe gaseous exchange is considered negligible between organisms and their atmosphereThe gaseous exchange is considered negligible between organisms and their environmentWhat is the Carbon Cycle? The term carbon is used in the carbon cycle, which generally refers to the site in which several processes occur through which carbon compounds are interchanged within the ecosystem. Various of the main pools of carbon are oceans, atmosphere, and fossil fuels. Carbon is considering the second most plentiful component in our body after the production of water and creates approx — 50 percent of the dry weight of our body. Everything consists of carbon in their molecular structure. In carbon cycle the atmospheric involvement of carbon by rainfall is considerable and the release of carbon dioxide by photosynthesis process such as algae and plants to form carbon/drates from carbon/drates organisms known as "photosynthesis." The formation of carbohydrate is then passed down through food chains to all the organisms; herbivores are eaten by carnivores as a food for them. All living organisms release carbon dioxide in the atmosphere as a waste material of their cellular respiration.Additionally, once plants and animals are dead, their body is decomposers such as bacteria, and then some amount of carbon dioxide. Eventually, due to the burning of fossil fuels, the rest of the carbon is then released to the atmosphere. In the carbon cycle, its cycling poll is existing in the atmosphere as well as in the atmosphere. The carbon cycle can be disturbed by various human activities such as deforestation and pollution. Besides, the increased level of the burning of fossil fuels can cause global warming in the atmosphere, which causes several diseases in humans like skin infection, eye problems, etc. What is the Phosphorus cycle? The phosphorus cycle is usually defined as the sequences in which several processes occur through which recycling of phosphorus cycle is usually defined as the sequences in which several processes occur through which recycling of phosphorus cycle is usually defined as the sequences in which several processes occur through which recycling of phosphorus cycle is usually defined as the sequences in which several processes occur through which recycling of phosphorus cycle is usually defined as the sequences in which several processes occur through which recycling of phosphorus cycle is usually defined as the sequences in which several processes occur through which recycling of phosphorus cycle is usually defined as the sequences in which several processes occur through which recycling of phosphorus cycle is usually defined as the sequences in which several processes occur through which recycling of phosphorus cycle is usually defined as the sequences in which several processes occur through which recycling of phosphorus cycle is usually defined as the sequences in which several processes occur through which recycling of phosphorus cycle is usually defined as the sequences in which several processes occur through which recycling of phosphorus cycle is usually defined as the sequences in the several processes occur through which recycling of phosphorus cycle is usually defined as the sequences in the several processes occur through which recycling of phosphorus cycle is usually defined as the sequences in the several processes occur through which recycling of phosphorus cycle is usually defined as the sequences of the several processes occur through which recycling of the severa living organisms as phosphorus is involved in the production of genetic materials, shells, bones, teethes, and biological membranes, etc. Some of the chief pools of phosphate, which is naturally present in rocks and ferric phosphate, which is naturally present in rocks and ferric phosphate. uptake by pants. Phosphorus also passes by the food chain through producing living structures of the organisms. Microbes that are present in the detritus food chains release only a little amount of phosphorus into the atmosphere. Atmosphere. in the atmosphere, then it causes acid rain. Phosphorus could not cycle in the form of a gas in the atmosphere. In the phosphorus cycle, its cycling is generally known as the phosphorus cycle, so plants take up phosphorus through the soil. Key DifferencesIn the carbon cycle, the numerous processes occur through which carbon compounds are exchanged within the ecosystem. In the carbon cycle, the numerous processes occur through which phosphorus cycle, the numerous phosphorus cycle, t communication with the atmosphere does not occur. Carbon deliberates as to the fast happening method; on the environment through the method of respiration; on the contrary, there is no release of gaseous constituents to the environment. The cycling poll of the carbon cycle is present in the hydrosphere the same as in the atmosphere; conversely, the cycling of gases is generally considered as the carbon cycle; on the flip side, the specific kind of sedimentary cycling is normally known as the phosphorus cycle. Many of the chief pools of carbon are oceans, atmosphere, and fossil fuels; on the other hand, many of the main pools of phosphorus are calcium phosphate. The atmosphere participation of carbon by the rainfall is significant in the carbon cycle; conversely, in the phosphorus cycle, it is considered as insignificant. Carbon revolves as a significant gas in the atmosphere during the process of the phosphorus cycle. In the carbon cycle, the carbon cycle, the carbon is entering into the plants by their stomata present on the surface of plants, while in the phosphorus cycle, the phosphorus is occupied to plants through the soil. Conclusion The above discussion concludes that the carbon recycles the rapidly occurring process; on the other hand, the phosphorus cycle considers as the slow, occurring process.

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