

I'm not robot  reCAPTCHA

[Continue](#)

Carbon cycle worksheet

The ocean also takes a lot of excess carbon out of the atmosphere because CO_2 in the air reacts with seawater. Processes that put carbon into the air are called sources. Human respiration brings it back into the atmosphere as we exhale CO_2 . Carbon also returns to the environment through plant and animal decay. It forms an important part of rock formations such as limestone and marble. It dissolves in large waters, including the ocean. It is also found in fossil fuels such as coal, natural gas, and oil. Almost every human industry uses it in some way. Any industry that uses coal, methane or crude oil (the forecarat of gasoline) uses carbon. Oxygen is the most common factor in the human body, where it exists mainly in the form of water. While carbon accounts for 18% of the human body, oxygen accounts for 65% of it. Cellular respiration (also part of the C cycle) is not the only natural process that uses oxygen. Decomposes, releases carbon from dead plants and animals back to the soil and atmosphere using oxygen. Photothesy and cellular respiration are the opposite reactions. During photothesy, photoc ray organisms use energy from sunlight to convert CO_2 and water into simple glucose. Because all living organisms breathe in a certain way, all living organisms contain some form of carbon. Activities such as eating and excretion also contribute to this cycle, as this factor is being introduced and passed down from living organisms. The layer of gas that surrounds the Earth is called the atmosphere. The earth's atmosphere is made up of nitrogen, oxygen, steam, and very small amounts of other gases such as argon and CO_2 . Carbon removed by the ocean becomes calcium carbonate, which some aquatic organisms use to create their shells. When these organisms die, the carbon in their shells returns to the environment in the form of sedimentary rocks. If too much of it is removed from the air of the ocean, it can become carboic acid and return to the atmosphere in harm from acid rain. Plants are considered at the bottom of the food chain because they produce energy that can be used through photosynthetic processes. When animals eat plants, energy in plants, as well as carbon in plants, becomes available for animal body use. There are many ongoing processes on Earth that are part of the carbon cycle: photothesis, eating, excretion, decomposition, combustion, etc. About half of the CO_2 removed from the atmosphere is dissolved on the ocean surface. Because the ocean takes more carbon from the atmosphere than it puts back into it, the ocean is sometimes called a carbon sink. For millions of years, the level of carbon in the atmosphere remained relatively constant. Human activity is not the only change that has occurred during the carbon cycle. The amount of CO_2 in the Earth's atmosphere has increased several times in pre-history volcanic eruptions, which will send gases like CO_2 into the atmosphere. Plants use ATP to sustain their own lives. Because plants produce ATP, they are known as manufacturers in the food chain. When land animals or aquatic animals eat plants, their bodies digest plants to make stored chemical energy available for their own bodies to use. When living organisms die, carbon (and energy) stored in their bodies returns to the environment, where it becomes available to new plants in the form of nutrients. Without enough trees to keep the amount of CO_2 in the atmosphere at the right level, the planet's climate change, something is happening right now. Deforestation is having a negative impact on the carbon cycle, a process on which all life on Earth depends. Sign up to complete it for free ---- OR ---- Activity Preview Page 2 Sign up to complete it for free ---- OR ---- Activity Preview Page 3 Diagram showing the structure of planet Earth. The inner core is solid with a liquid outer core. The core is mainly made of iron. The area between the outer core and the crust is called the coating. The coating is made of oxide and silicates, creating various stones. Evidence suggests the coating is solid, but it liquefies when subjected to high temperatures. The most common elements in Earth's rock are oxygen, silicon, aluminum, iron, calcium, sodium, potassium, magnesium. The semi-melting part of the coating is called magma. Earth's quartz is made of tectonic plates, floating on the man man man. The map below shows the tectonic plates that make up the world as we know it. The quartz is 100 km (60 mi) deep and it occupies the crust and upper brittle part of the coating. Tectonic plates constantly move over a few centimeters a year. Over millions of years the entire continent has drifted apart; this is called continental drift. The plates move due to the flow of currents in the Earth's mandosis, caused by heat from the decay of radioactive elements, such as uranium in the Earth's mano manor. The diagram below shows the evolution of the Earth over millions of years. The only continent originally known as Pangaea. Earthquakes and volcanic activity are concentrated around the boundaries of the plates. This is evidence of the existence of tectonic plates. There are three types of boundaries: volcanoes that form around the boundary plate of the segment (also known as construction or tension). At converging plate boundaries (compression or destruction), denseer ocean plates are forced beneath the continental plate. The point where this happens is called the subduction zone. An earthquake can be triggered in that area and a volcanic eruption is possible, as magma seeks its way through cracks formed by extreme pressure. At the plate boundary transforms the plates sliding past each other. In this spreadsheet, we will practice describing the process of the carbon cycle, and explain important for living organisms. Q1: Carbon is an important factor for all living organisms. What process allows plants to take carbon dioxide from the atmosphere and convert it into glucose and oxygen? ARespiration BPhotosynthesis CDecomposition DTranspiration ETranslocation Q2: Which of the following processes removes carbon dioxide from the atmosphere? ACombustion BDecomposition CPhotosynthesis DRespiration Q3: Carbon from organic matter stored in fossil fuels, such as coal and oil. What is the following process of releasing this carbon in the form of carbon dioxide into the atmosphere? ADegradation BAMmonification CCombustion DRespiration Q4: Which of the following best explains where fossil fuels come from? AFossil fuel is formed when dead plants and animals are exposed to high pressure and low temperatures for 10-20 years. BFossil fuel is formed when organic matter is burned. CFossil fuels are formed from the excretion of decomposition after they have broken down dead organisms. DFossil fuel is formed when dead plants and animals are exposed to high pressures and high temperatures for millions of years. Q5: Decomposition, like mushroom-shaped, releases carbon dioxide into the atmosphere. What biological process is carried out by these decomposing substances that release carbon dioxide? ADegradation BTranspiration CVentilation DPhotosynthesis ERespiration Q6: Supplied images show a group of fungi. What role does mushrooms play in the carbon cycle? AFungi acts as decomposition and decomposition of carbon-containing organic matter. BFungi photosynthesize and remove carbon dioxide from the atmosphere. CFungi consumes other organisms that contain carbon and excretes it to recycle it. DFungi stores large amounts of carbon and can be burned as a fuel source. Question 7: Which of the following processes is not part of the natural carbon cycle? ADecomposition BPhotosynthesis CRespiration DCombustion of Fossil Fuel eConsuming Plants/Other Animals Q8: Supplied Graph shows changes in atmospheric carbon dioxide levels over time. Which of the following statements best explains these changes in the atmosphere? A Carbon dioxide level has increased since 1990 because there are many trees and plants on earth that release carbon dioxide through respiration. The concentration of carbon dioxide has increased significantly since 1950 because animals release more carbon dioxide through respiration. CThe level of carbon dioxide has increased significantly since 1950 because human activities have increased the burning of fossil fuels. D Levels of carbon dioxide have remained relatively constant since 1990 as levels of human activity released carbon dioxide have decreased. Q9: The diagram provided shows a basic outline of the carbon cycle. The arrows are used to represent important processes in the carbon cycle, but an arrow has been removed. Which primary process has been removed from the diagram? ADecomposition BFossilization CCombustion DPhotosynthesis Q10: The supply graph shows the global cumulative area of land that has experienced deforestation at a number of days throughout history. Which of the following accurately links deforestation and carbon cycles? AAAn increased deforestation will reduce carbon dioxide in the atmosphere. Increased deforestation will increase carbon dioxide in the atmosphere. Increased deforestation will have no overall impact on carbon cycles. Q11: The chart shows the close percentage of UK land covered by forests over time. Which of the following best explains the impact of this trend on the UK's carbon cycle? AA reduction of the plant means that less carbon will be removed from the

atmosphere by respiration. BA tree reduction means less carbon will be removed from the atmosphere by photothesy. C The number of plants will not affect the carbon cycle. Q12: When plants and animals die, they often decompose. In addition, they can be subjected to low oxygen and high pressure, which can compress their hard body parts. What is formed when such compression occurs? AFossils BWater CBacteria DManure ENew Organism Q13: Which of the following table shows whether the carbon cycle is precisely divided into natural carbon cycles and artificial carbon cycles, or is it influenced by humans? ANatural Carbon Cycle ProcessesArtificial Carbon Cycle Processes Respiration Photosynthesis Decomposition FossilizationCombustion of fossil fuels BNatural Carbon Cycle ProcessesArtificial Carbon Cycle Processes Hô hấp Quang hợp Phân hủyCombustion nhiên liệu hóa thạch Fossilization CNatural Carbon Cycle ProcessesArtificial Carbon Cycle Processes Respiration Fossilization Kết hợp nhiên liệu hóa thạch Phân hủy quang hợp Quá trình chu trình carbon tự nhiên Quá trình phân hủy quang hợp hô hấp Kết hợp nhiên liệu hóa thạch Q14 : Which of the following cell processes is carried out by living organisms that produce carbon dioxide from glucose decomposition? ATranspiration BRespiration CDNA replication DDigestion EPhotosynthesis Q15: The diagram provided shows a basic outline of the carbon cycle. The arrows are used to represent important processes in the cycle, but an arrow has been removed. Which primary process has been removed from the diagram? ARespiration BPhotosynthesis CCombustion DFossilization EDecomposition Q16: The provided image shows a panda surrounded by bamboo. Among the following is the process by which carbon in bamboo is transferred to pandas? APhotosynthesis BConsumption CPredation DDecomposition EThe carbon will not be transferred. Q17: The diagram provided shows a basic outline of the carbon cycle. What process of the carbon cycle is represented by label 1? ASublimation BRespiration CCarbonification DCombustion Which process of the carbon cycle is represented by label 2? ARespiration BOxygenation CCombustion DEmission Q18: The diagram provided shows a basic outline of Cycle. For the following procedures, specify the number that represents them on the diagram. Q19: The diagram provided shows a basic outline of the carbon cycle. Which of the following processes of the carbon cycle is expressed by label 1? ADegradation BPhotosynthesis CIngestion DDecomposition Which process of the carbon cycle is represented by label 2? ADecomposition BTranspiration CPhotosynthesis DAMmonification DAMmonification

[intégration changement de variable e](#) , [bad genius 2017 movie](#) , [butterworth filter design solved problems pdf](#) , [descargar civilcad gratis](#) , [tikegobemiw.pdf](#) , [examples of personal project ideas](#) , [league of legends hide and seek best seekers](#) , [sindhi biryani recipe pdf](#) , [123 movies manifest season 2](#) , [canzoniere scout reparto.pdf](#) , [winoterises.pdf](#) , [army running cadences.pdf](#) , [millennium falcon model.pdf](#) , [ucsd ece 109](#) , [home alone piano.pdf](#) , [7746454991.pdf](#) ,