

Review B1.6 Waste materials from plants and animals

<i>Can you...?</i>			
B1.6.1 Decay processes			
Describe how materials that living things remove from the environment for growth are returned to the environment in waste materials or when living things die and decay			
Describe the conditions in which microorganisms break down (digest) materials fastest			
State that decay processes release substances that plants need to grow			
Describe how materials are constantly recycled in a stable community, as the processes removing materials are balanced by the processes returning materials			
Evaluate the necessity and effectiveness of schemes for recycling organic kitchen or garden waste			
B1.6.2 The carbon cycle			
Describe the carbon cycle as the continual cycling of carbon			
Describe how photosynthesis removes carbon dioxide from the environment			
Describe how plants and algae use carbon to make carbohydrates, fats and proteins			
State that microorganisms and detritus feeders can feed on the bodies of dead organisms			
Describe how respiration (in plants, algae, animals and decomposers) releases carbon dioxide, returning carbon to the atmosphere			
State that all the energy originally absorbed by green plants and algae has been transferred by the time microorganisms and detritus feeders have broken down the waste products and dead bodies of organisms in ecosystems and cycled the materials as plant nutrients			
Describe how the combustion of wood and fossil fuels releases carbon dioxide into the atmosphere			
Identify the stages in the carbon cycle that remove or return carbon dioxide to the atmosphere			

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