



Carbon cycle: exchanging carbon dioxide between the atmosphere and ocean



<p>THE CARBON CYCLE</p> <p>KEY</p> <ul style="list-style-type: none">Carbon cycle processesCarbon cycle processes <p>The diagram illustrates the carbon cycle with the following components and processes:</p> <ul style="list-style-type: none">Carbon dioxide in atmosphere: Released by combustion of fossil fuels and respiration; absorbed by green plants through photosynthesis.Carbon in green plants: Taken up by animals through feeding; released back to the atmosphere through respiration.Carbon in soil and dead: Released from dead plants and animals through decay; taken up by plants through root absorption.Carbon in sea: Released from dead organisms through decay; taken up by marine organisms through feeding.Carbon in land and water: Released from land through erosion and weathering; taken up by the ocean through absorption.Carbon in sea and water gas: Released from the ocean through evaporation; taken up by the atmosphere through absorption.Carbon in land and water gas: Released from the atmosphere through evaporation; taken up by the ocean through absorption.	<p>This is one of a series JESI activities aiming to teach students about the nature of carbon, the different compounds it exists in, the reactions it takes part in and how the processes that carbon and carbon compounds are involved in are linked together to form the carbon cycle.</p> <p>Activity details available at: https://geohubliverpool.org.uk/jesei/carbon%20cycle%201.htm</p>
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