



Stages of water cycle

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Evaporation,
condensation,
precipitation,
collection

Transpiration

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The evaporation
of water from the
surface of a leaf

Condensation

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When a substance
changes from a
gas to a liquid

Precipitation

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When water vapour
in the atmosphere
condenses and falls
to the ground





The Water Cycle

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A hydrologic cycle that describes the continuous movement of water on, above and below the earth

The Carbon Cycle

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A biogeochemical cycle that describes the exchange of carbon throughout the environment and atmosphere

Stages of carbon cycle

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Photosynthesis,
respiration,
decomposition,
combustion

Organic compound

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Any compound that contains carbon





Processes that
remove carbon
from atmosphere

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Photosynthesis,
dissolving in
ocean

Carbon
storage

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Plant and animal
tissue, wood in
trees, fossil fuels,
oceans

Processes that
release carbon
into atmosphere

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Respiration, burning
fossil fuels,
decomposition of
waste, volcanic activity

Decomposition

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Process by which dead
organisms are broken
down into smaller
simpler substances





Combustion

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An exothermic reaction from a fuel using oxygen

Carbon sinks

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Reservoirs that store large amounts of carbon - e.g. oceans and forests

Global carbon budget

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The amount of carbon dioxide being released into our atmosphere compared to the amount being removed

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