THE CARBON CYCLE VOCABULARY

Carbon: An abundant element that combines with oxygen and hydrogen to form the organic compounds that make up organisms.

Carbon Cycle: The flow of carbon in the form of carbon dioxide molecules between the earth's surface and atmosphere.

Consumers: Organisms, primarily animals, that get their food from producers. They feed on green plants or on other animals that eat plants.

Decomposers: A specific type of consumer that feeds on dead plant or animal matter. Examples are bacteria and fungi.

Fossil Fuels: The carbon-rich matter from plants and animals that has been trapped in the earth's crust and can be burned to release energy. Examples are coal, gas, and oil.

Greenhouse Effect: The trapping of reflected heat from the sun by the earth's atmosphere, especially carbon dioxide. An increase in the amount of carbon dioxide may result in a warming of the earth.

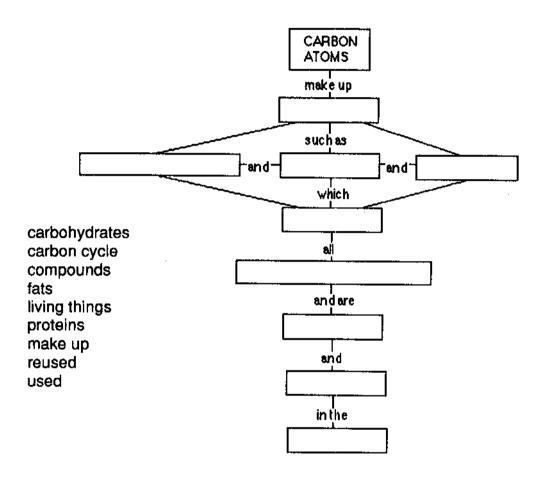
Photosynthesis: The food-making process of the natural world.

Producers: Green plants that produce food by photosynthesis.

Respiration: The breakdown of food with the release of energy and carbon dioxide. It takes place in all living things.

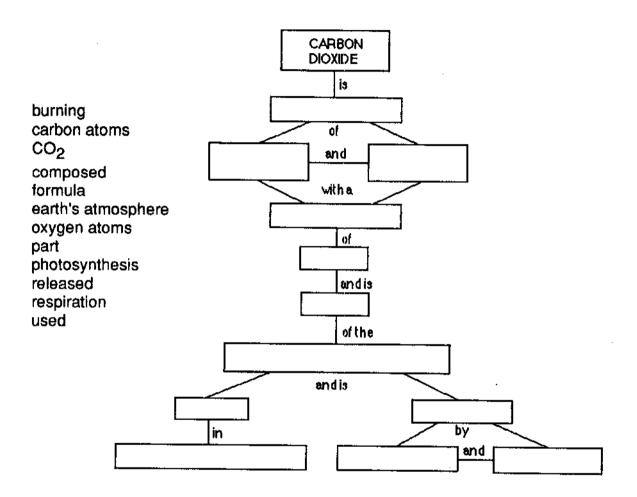
The Carbon Cycle

THE CARBON CYCLE CARBON ATOMS - CONCEPT MAP



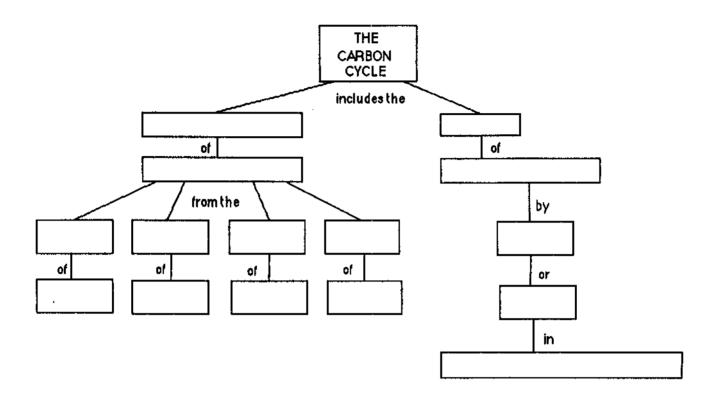
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THE CARBON CYCLE CARBON DIOXIDE - CONCEPT MAP



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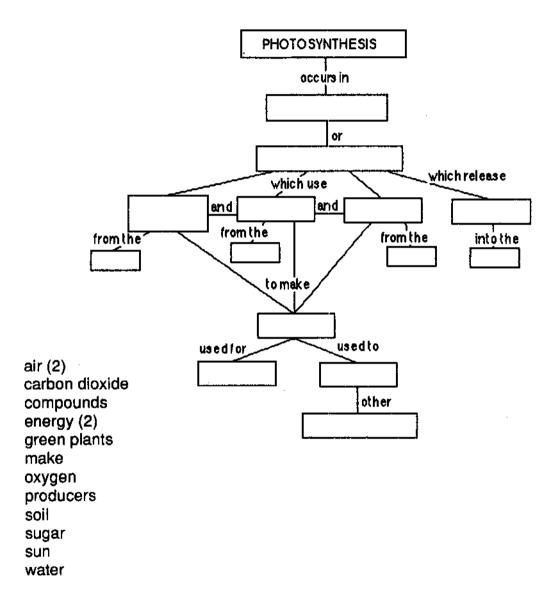
THE CARBON CYCLE THE CARBON CYCLE - CONCEPT MAP



burning carbon dioxide (2) eruptions fossil fuels green plants limestone organisms photosynthesis producers release respiration use volcanoes weathering

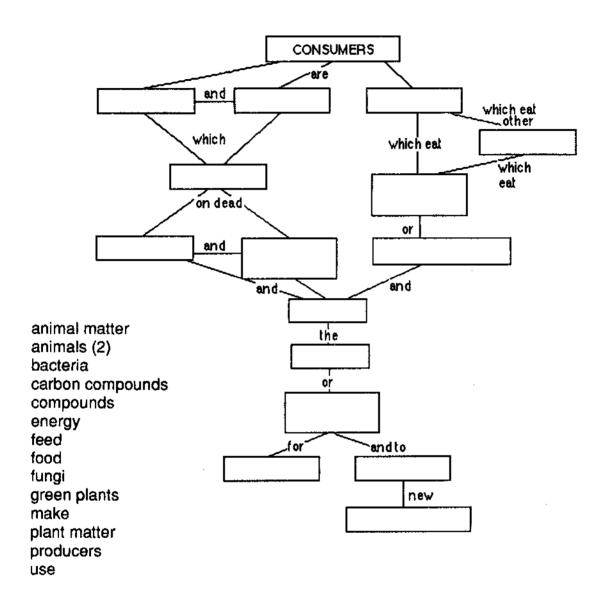
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THE CARBON CYCLE PHOTOSYNTHESIS - CONCEPT MAP



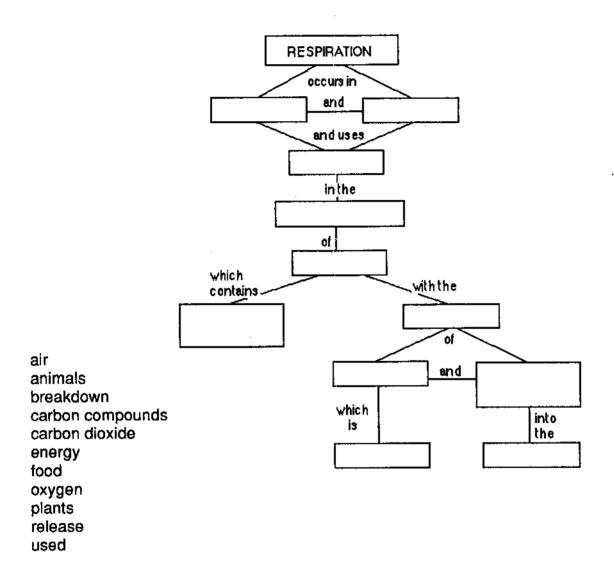
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THE CARBON CYCLE CONSUMERS - CONCEPT MAP



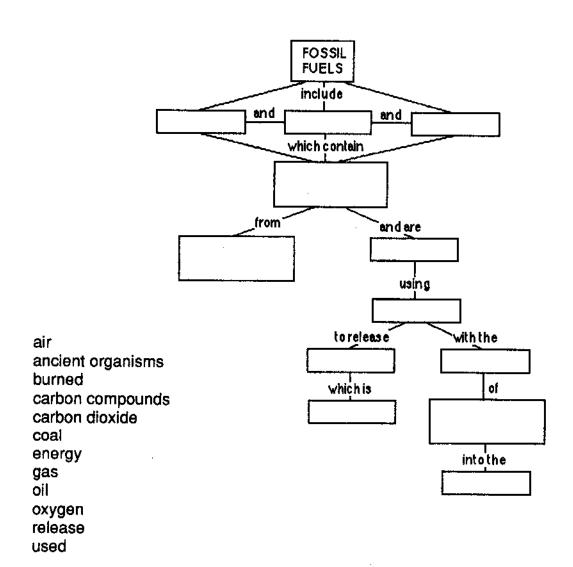
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THE CARBON CYCLE RESPIRATION - CONCEPT MAP



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THE CARBON CYCLE FOSSIL FUELS - CONCEPT MAP



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THE CARBON CYCLE QUIZ/DISCUSSION QUESTIONS

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1.	Photosynthesis and respiration are two processes in the carbothem in regard to gases used and released, compounds formed and energy used and released.	
2.	What role do producers play in the carbon cycle?	
3.	What role do consumers play in the carbon cycle?	
4.	What role do decomposers play in the carbon cycle?	
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