

Photosynthesis

During photosynthesis, producers take in carbon dioxide (CO_2) from the atmosphere. Carbon atoms are transferred to carbohydrates.

Respiration

During respiration, aerobic organisms break down carbohydrates. They release carbon dioxide (CO₂) into the atmosphere and provide energy.

Decay

During cellular respiration, decomposers break down, or decay, plant and animal materials. Carbon dioxide (CO_2) is released into the atmosphere.

Combustion

During the combustion of fossil fuels — which are also called *bydrocarbons* — carbon dioxide (CO_2) is released into the atmosphere.

Key Terms/Phrases:

Use the following terms and phrases to fill in the blanks in the above diagram. Some terms/phrases may be used more than once.

 CO_2 O_2 CO_2 and O_2 in the atmosphere photosynthesis cellular respiration primary consumers decomposers dead organisms and wastes



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