

Concept 8.4

Photosynthesis has a global impact.

The Carbon Cycle:

- The process by which carbon moves from inorganic to organic compounds and back.

Photosynthesis by producers builds organic compounds.

Cellular respiration by producers and consumers releases CO₂.

CO₂ in the atmosphere is used in photosynthesis.

Photosynthesis and Global Climate:

Greenhouse effect- Carbon dioxide in the atmosphere traps heat from the sun that would otherwise escape from earth back into space.

- keeps the earth about 10 degrees warmer