

SC.912.L.17.9 – Food Webs and Energy Transfer – Example 8 Answer

The framework of organic molecules essential to all organisms is composed mainly of carbon atoms. Which processes are involved in the cycling of carbon within an environment?

A. photosynthesis and respiration

B. evaporation and condensation

C. transcription and translation

D. diffusion and transpiration

Answer

A. photosynthesis and respiration

Photosynthesis captures carbon dioxide from the atmosphere and converts it to glucose. Cellular respiration converts glucose to carbon dioxide.