Carbon Cycle: DeMMO6_32

Organic carbon

Step1: Organic carbon oxidation

Acetate

Step6: Fermentation

Ethanol

Step2: Carbon fixation

Step5: Hydrogen generation

H_2

Step9: Hydrogen oxidation

Step3: Ethanol oxidation

Step4: Acetate oxidation

Step7: Methanogenesis

H_2O

CH_4

Step8: Methanotrophy

CO_2