

#8

Decomposition

First part of the cycle involving death of plants and animals

#11

Terrestrial Vegetation

A plant that grows on land, nitrogen is a limiting factor, important in protein synthesis and nucleic acids.

#10

Run off

The process where excess water remove nitrates from the soil and it enters a body of water

#5

Nitrification by bacteria in the Ocean

Taking decay and creating NO_3 and NO_2

#12

Nitrogen Gas – Atmosphere

78% of the atmosphere is Nitrogen as tightly bonded, triple covalent N_2

#9

Fertilizer

Human impact of adding fertilizers to soil for lawn care and farming can run off into water bodies

#1

Phytoplankton

Bottom of the marine food web, these organisms use nitrogen for growth

#13

Denitrification

Breaking down of Nitrogen runoff by bacteria to nitrogen gas in the ocean

#13
Ammonification

The creation of NH_4 by bacteria and fungus in the soil

#4
Nitrification by bacteria in soil
To NO_2

#3
Nitrogen fixation of Nitrogen gas
By bacteria in the soil

#7
Marine Sediment
Nitrogenous sediments that fall to the ocean floor

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#2
Denitrification

Breakdown of NO_3 by bacteria in soil to Nitrogen gas

#6
Nitrification by bacteria in soil
To NO_3

