Schematic of Nitrogen Cycle
Illustrating Role of Nitrous Oxide

Ground

Troposphere

Stratosphere

Industrial Fixation

Fixation

Denitrification

Nitrification

Reaction with O(1D)

Transport to Troposphere

Transport to Stratosphere

Transport to Stratosphere

Transport to Troposphere

Nitrous Oxide

Nitrogen Dioxide

Nitric Acid

Ammonium

Nitrate

Dinitrogen Gas

Ammonia

Nitrite

Nitrate Ion

Nitrite Ion

Oxidation State

Nitric Oxide

Oxidation State