

The Nitrogen Cycle

Label the numbered boxes correctly with the following:

Denitrifying
Bacteria

Nitrifying
Bacteria

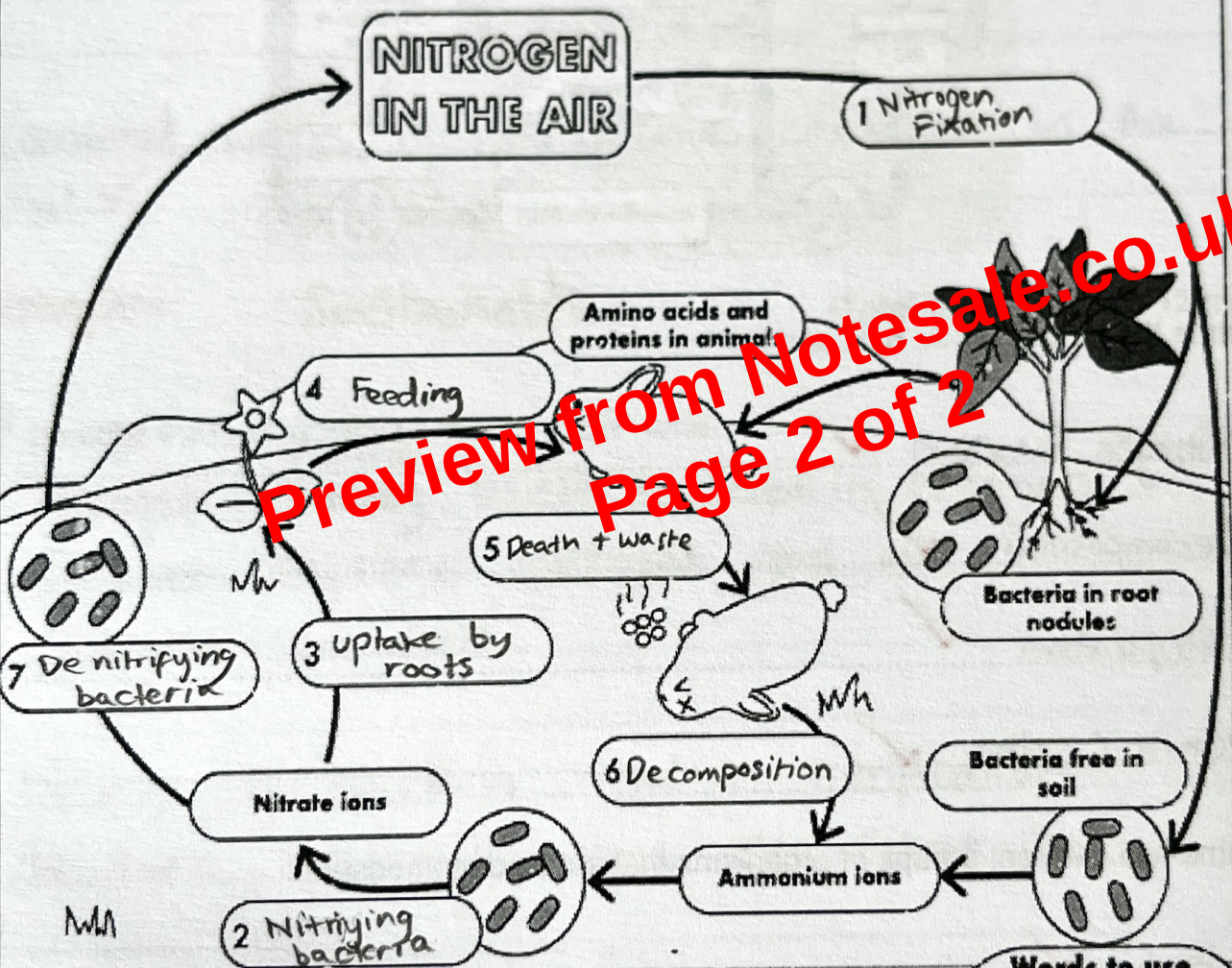
Decomposition

Death and waste

Nitrogen Fixation

Uptake by
roots

Feeding



Key Points

Words to use

legumes nitrate
bacteria roots
denitrifying fixing

- A key type of organism involved in the cycling of nitrogen are bacteria.
- Nitrogen-fixing bacteria are found in the root nodules of legumes and can convert inert nitrogen gas into nitrogen-containing ions.
- Nitrifying bacteria can convert ammonium ions to nitrate ions, which can be taken up by the roots of plants.
- Some bacteria, found in water-logged soils, convert nitrates back into nitrogen gas, these are known as denitrifying bacteria.