

In amino acids, RNA and DNA,
Hard to get.

0.0.1 | **Used in:**

- Heme
- Nucleic Acid
- KBerefChlorophyll
- Amino Acids

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Nitrogen Fixing

Cannot use N_2 (*nonreactive nitrogen*) in the air. We need to somehow "fix" it.

1.1 | **Where it comes from**

20bio201srcWorldNitrogenSource.png

1.1.1 | **Half from Bacteria | Biological**

- KBe20bio101refBacteria
- Diazotrophs (bacteria which have Nitrogenase)
 - Symbiotic bacteria in the soil with legumes
 - * That's why legumes have more protein, because they have more available nitrogen.
 - * Nitrogenase!
 - Urine -> urea -> lots of ammonia -> good for plants / cows maybe?

1.1.2 | **Half from industrial nitrogen fixation | Industrial**

- Haber-Bosch process
 - Invented by the same guy who invented poison gas / chemical weapons
 - Without it, we wouldn't be able to feed around a third of the current population.