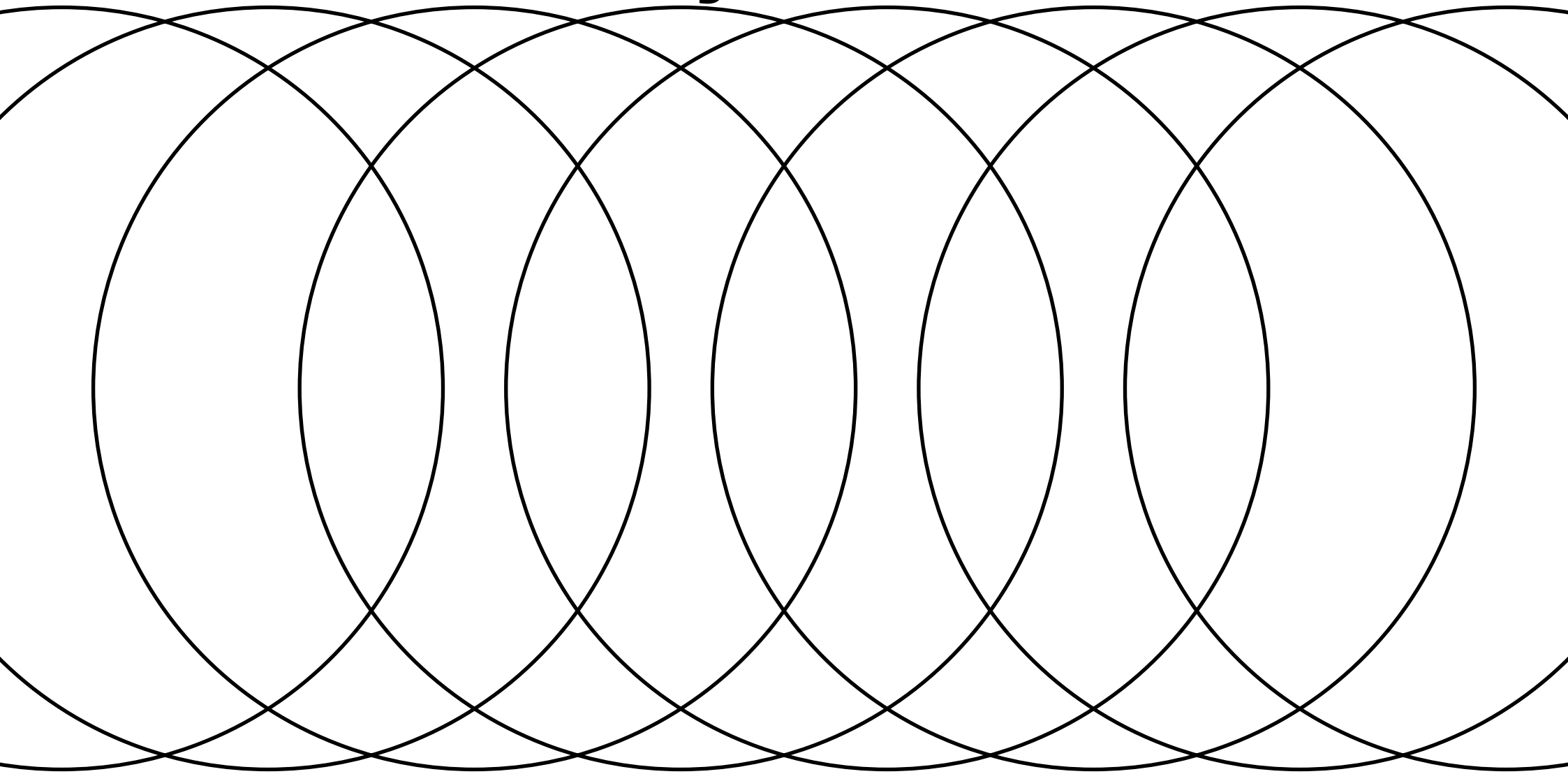
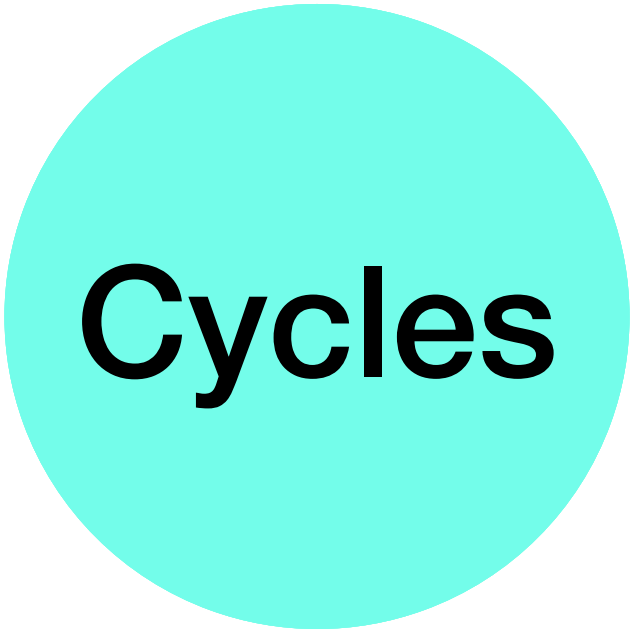


Cycles





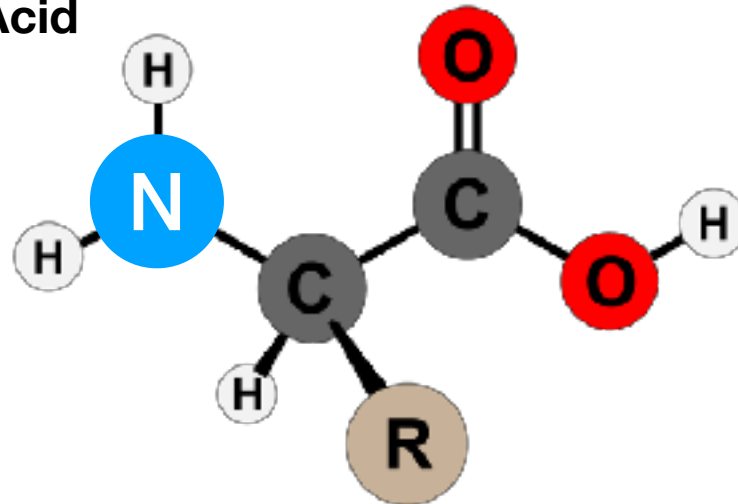
Cycles

the Nitrogen cycle

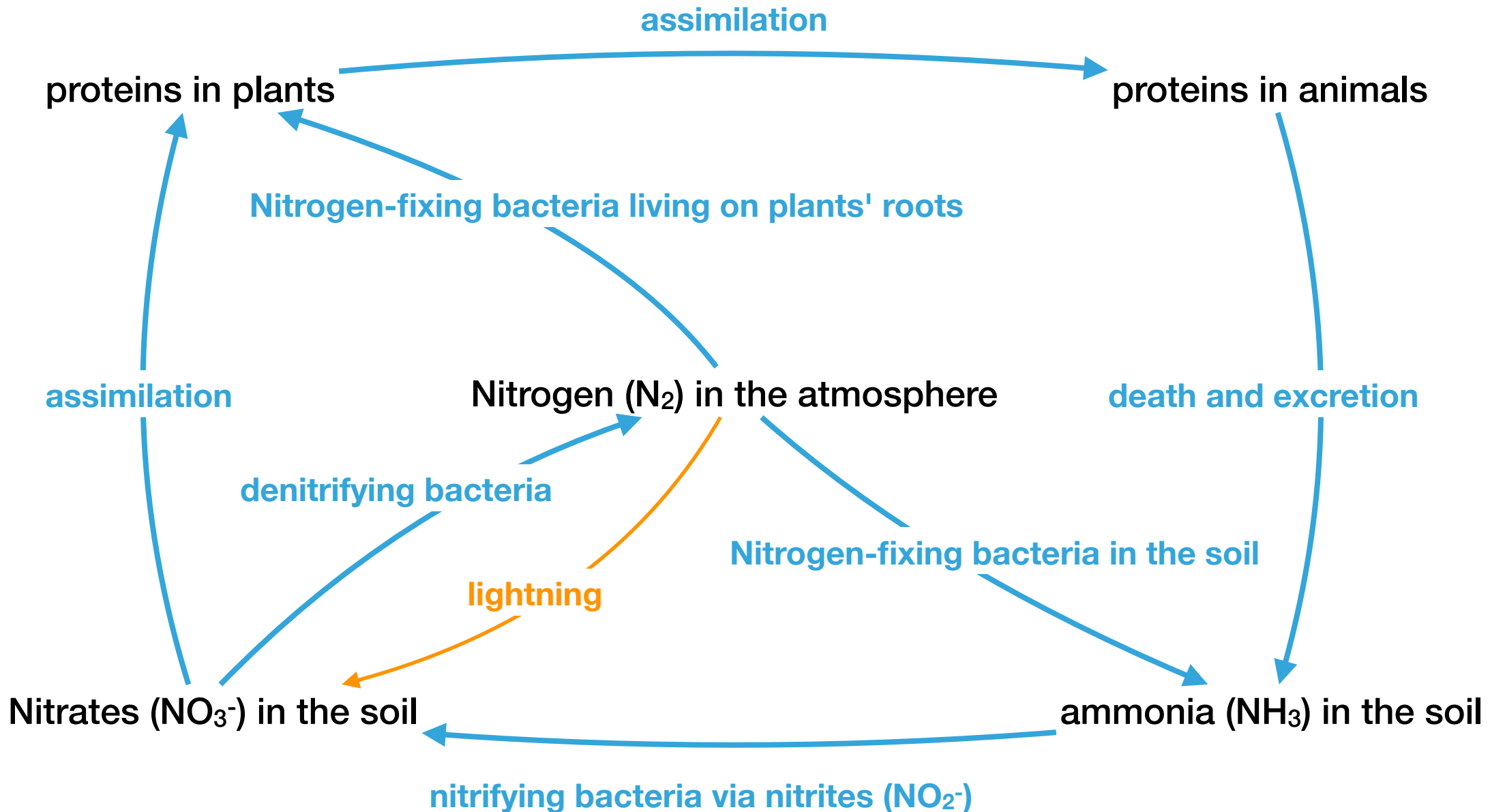
The amino acids that proteins are built from contain Nitrogen.

Nitrogen makes up 78% of the atmosphere but it is very unreactive and therefore hard to **assimilate** into living things.

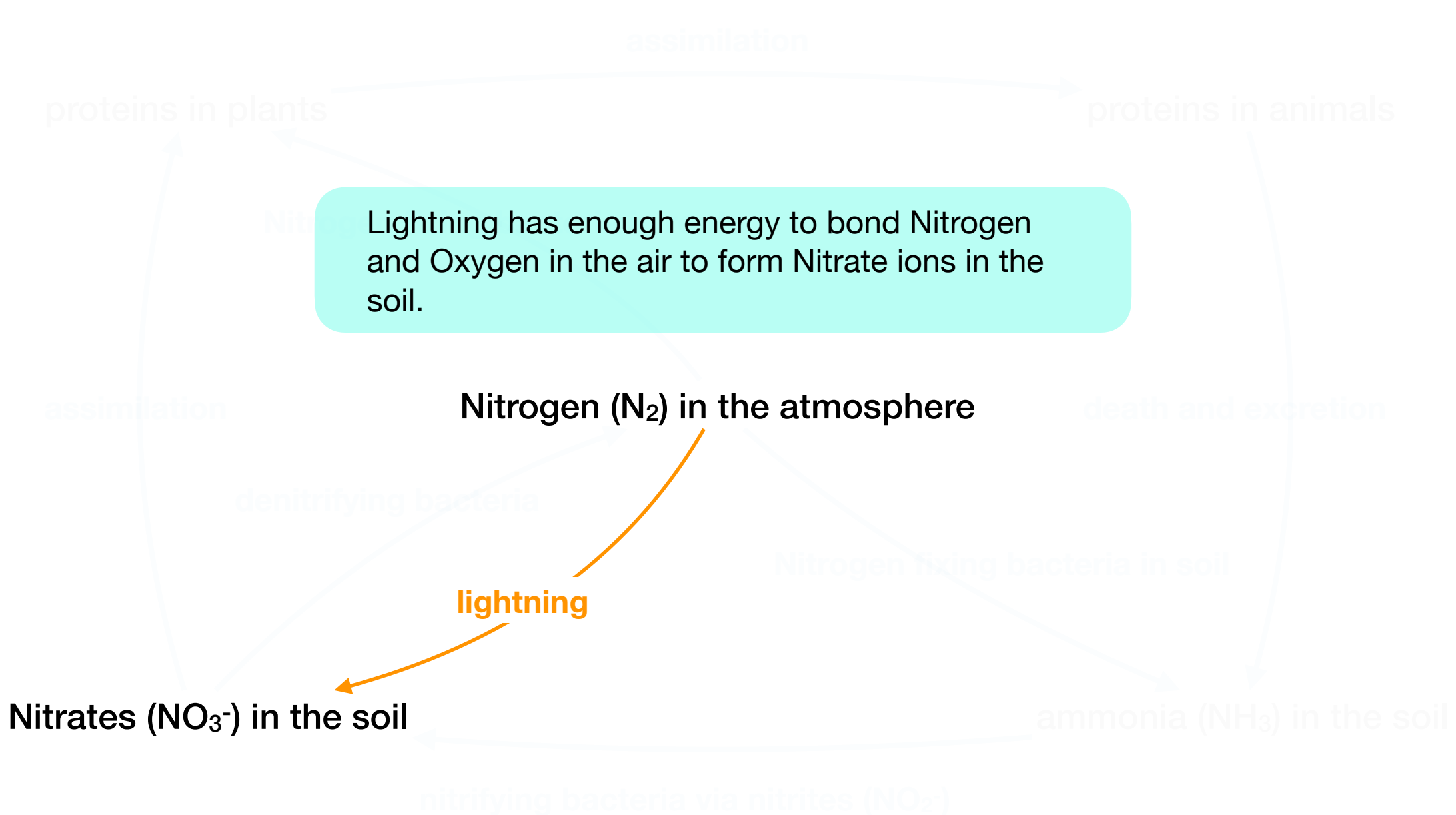
An Amino Acid



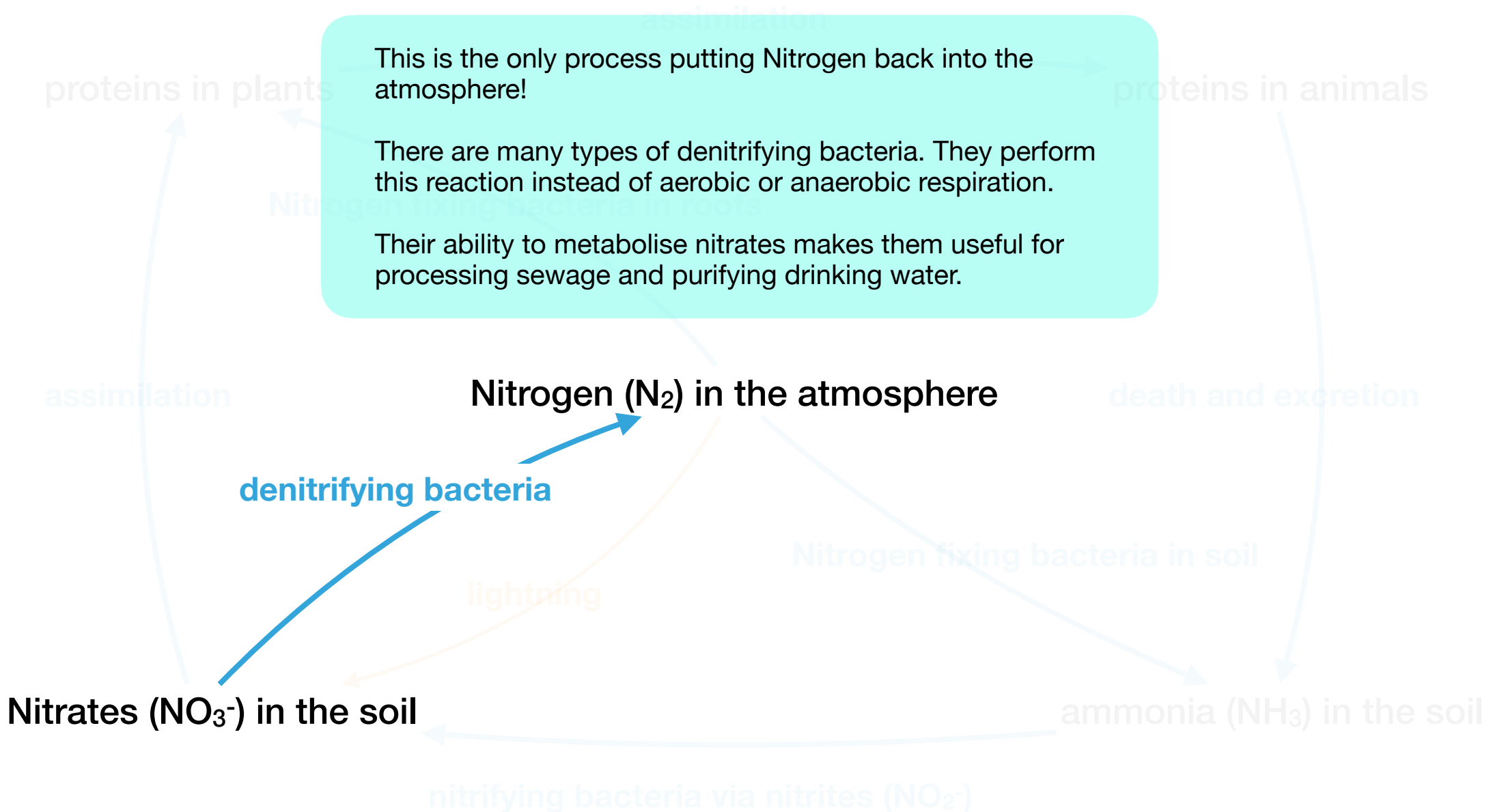
the Nitrogen cycle



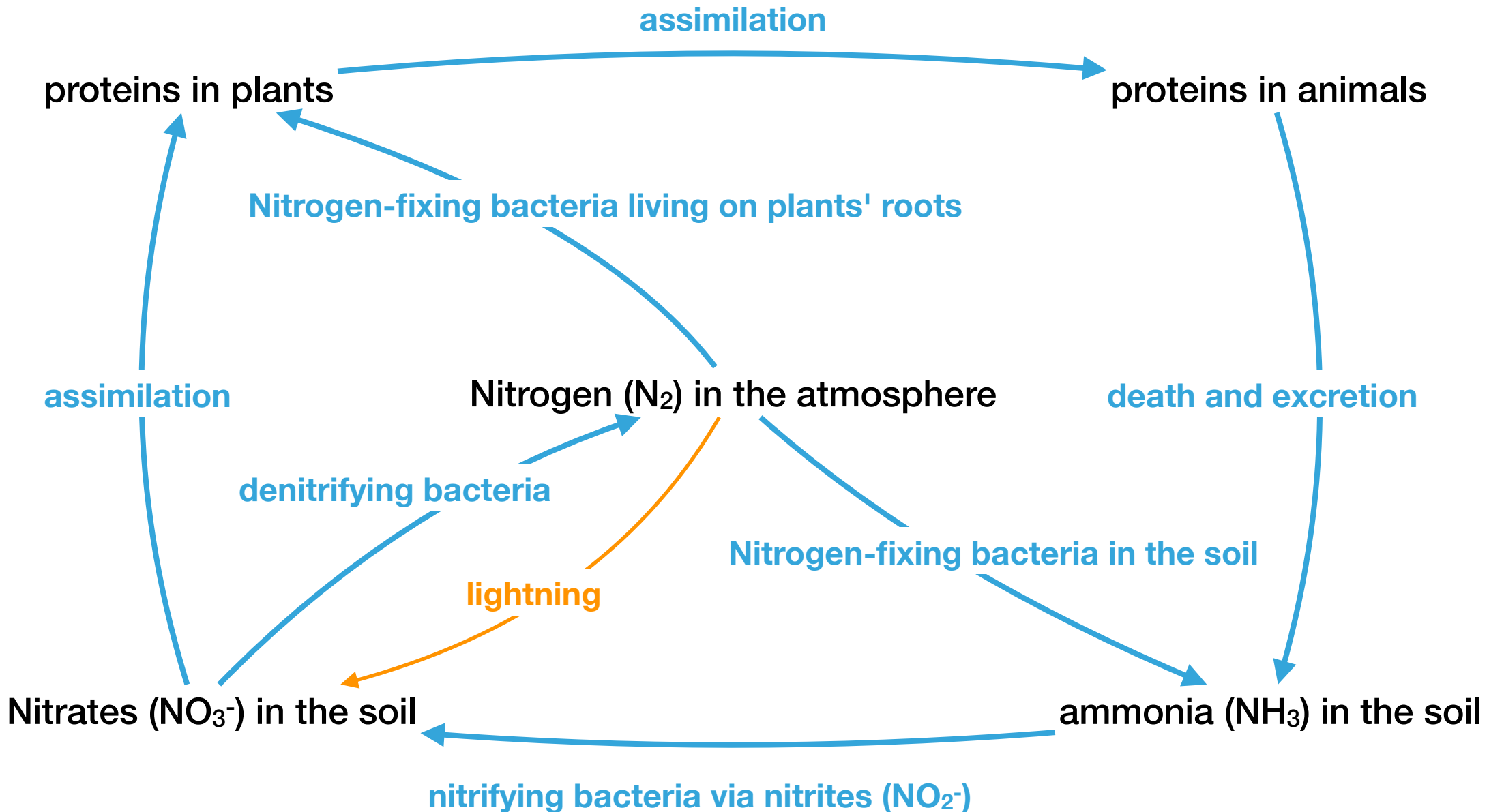
the Nitrogen cycle



the Nitrogen cycle



the Nitrogen cycle



the Carbon cycle

Carbon accounts for roughly 50% of all biomass on Earth.
Life on Earth is said to be Carbon-based.

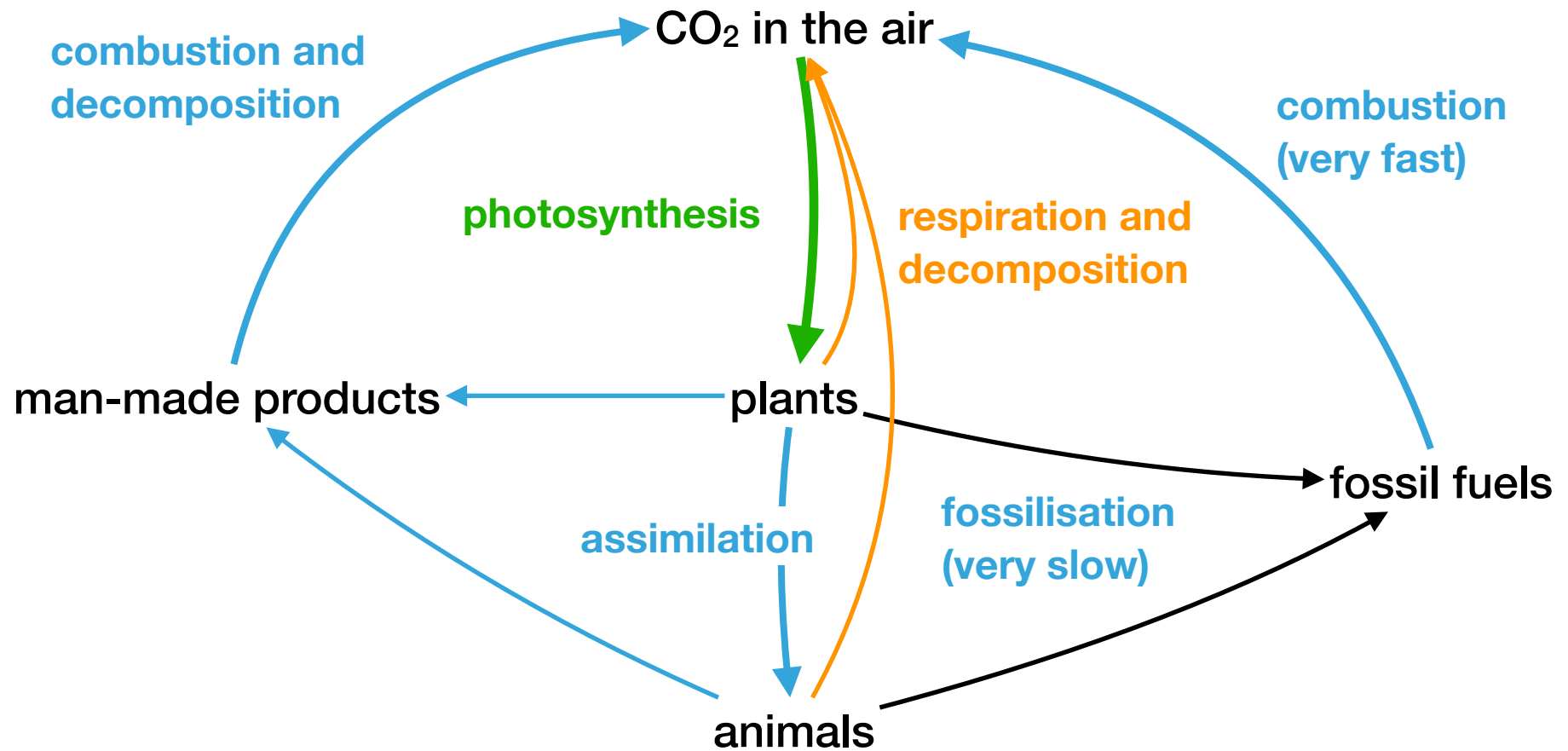
In living things Carbon is found in key macromolecules:

- fats
- proteins
- DNA and RNA
- Carbohydrates

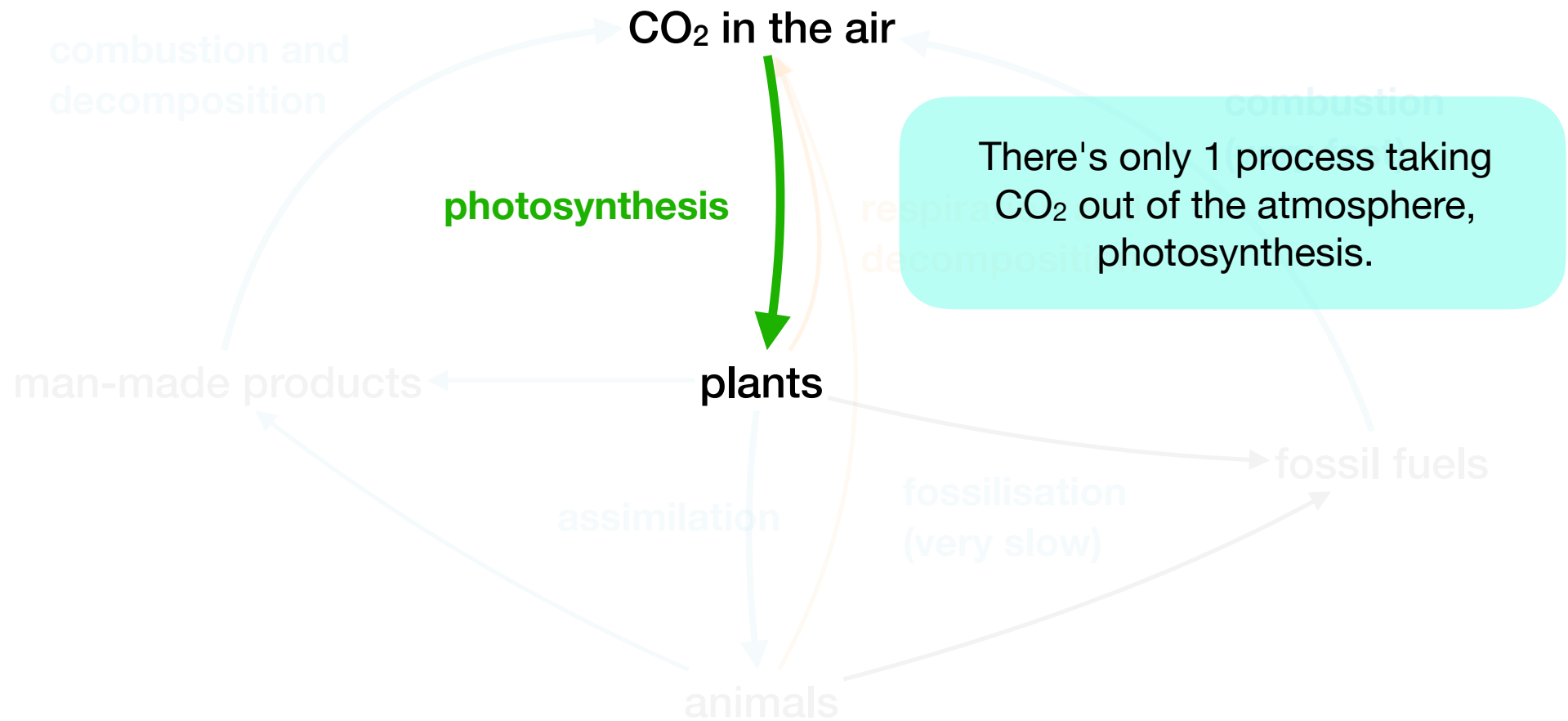
Carbon is also found in

- fossilised remains of organisms
- man-made products, often as plastics.
- Carbon dioxide in the atmosphere.

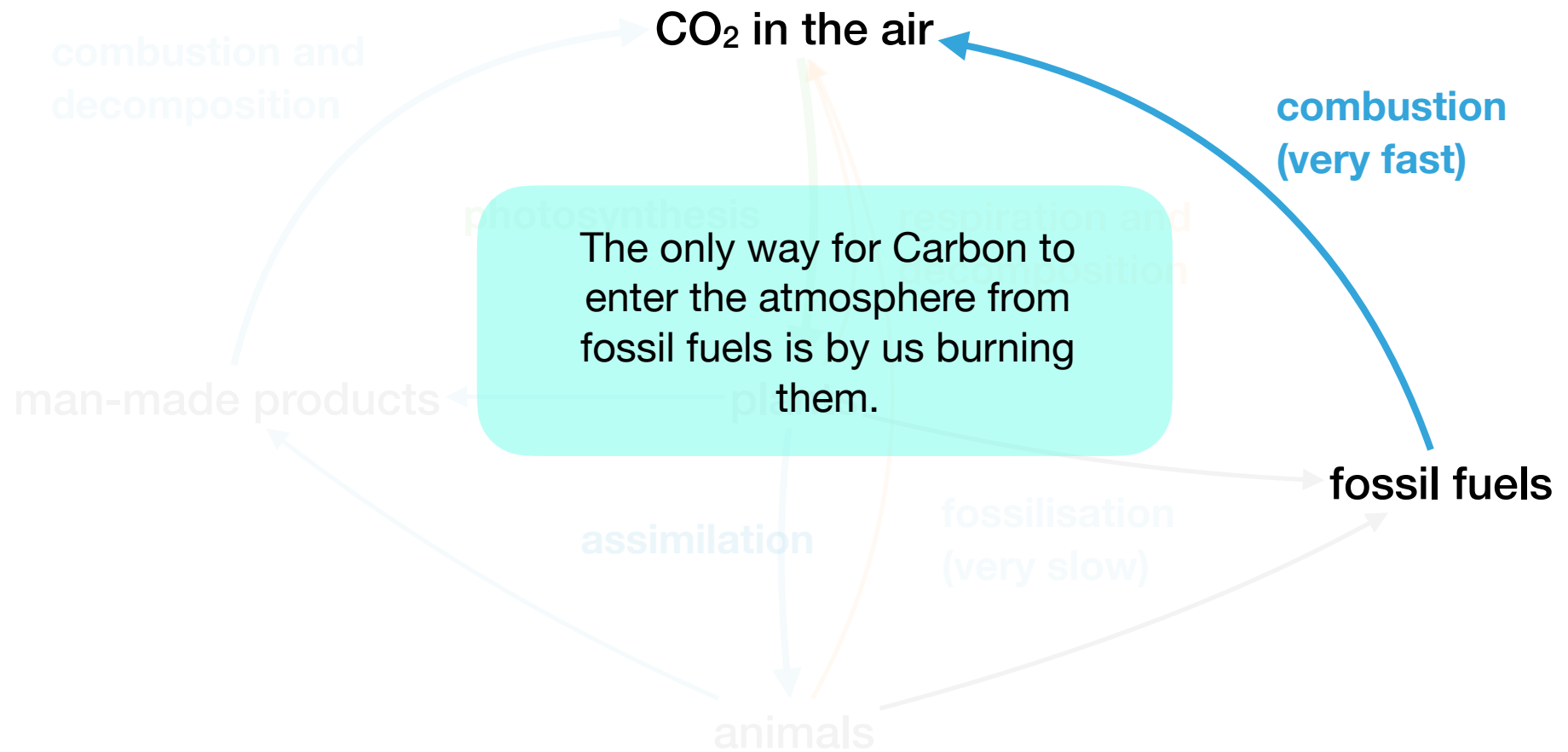
the Carbon cycle



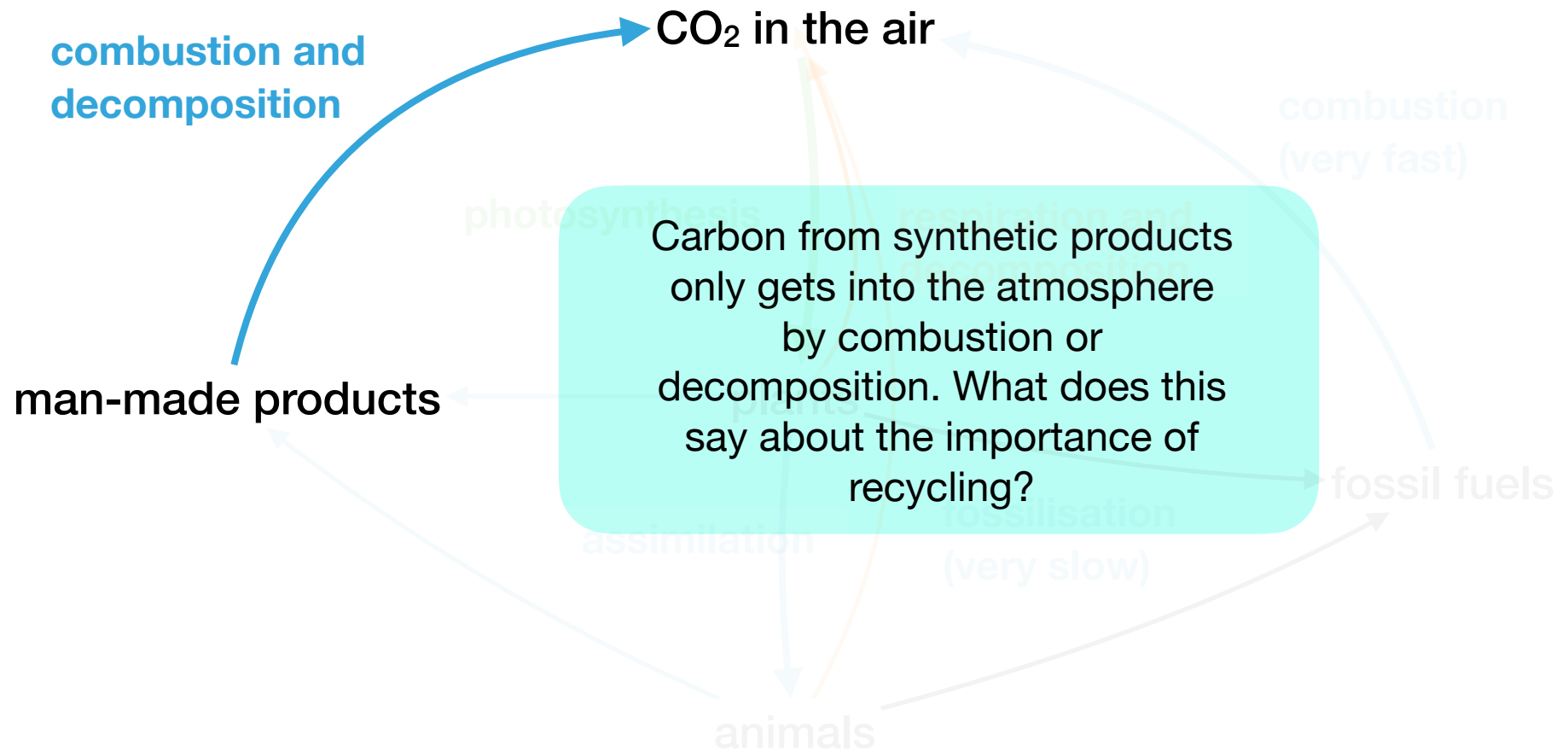
the Carbon cycle



the Carbon cycle



the Carbon cycle



the Carbon cycle

