



Fig. 7.1 shows part of the nitrogen cycle.

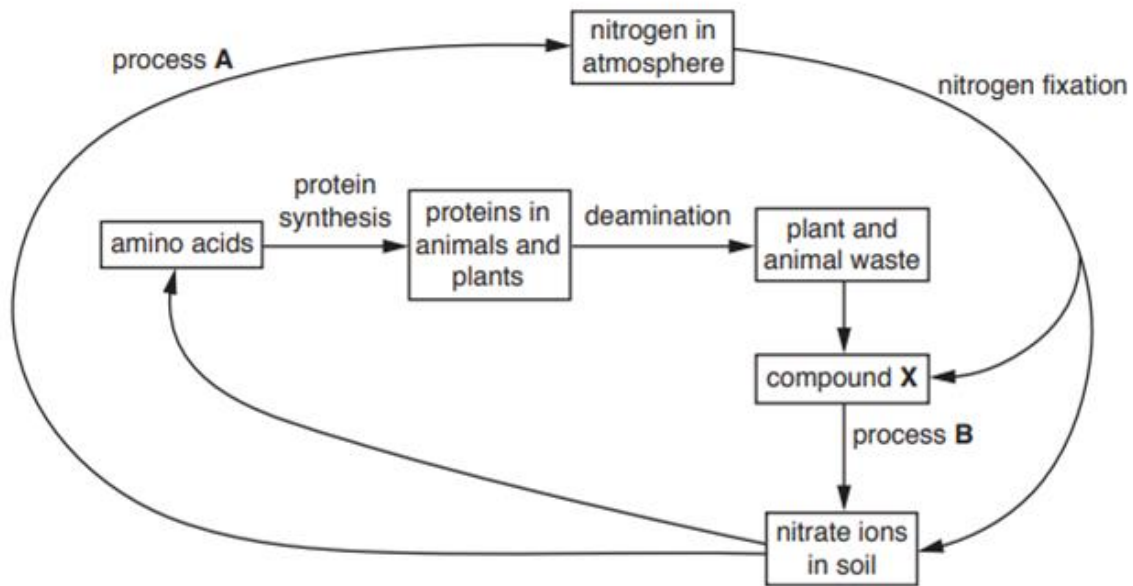


Fig. 7.1

(a) (i) State **two** ways that nitrogen fixation can occur.

- 1 **lightning**
- 2 **nitrogen fixing bacteria**

[2]



(ii) State the names of processes **A** and **B** in Fig. 7.1.

process **A** **denitrification**

process **B** **nitrification**

[2]

(iii) State the name of compound **X** in Fig. 7.1.

..... **ammonium**

[1]

(iv) Define the term *deamination*.

.....
..... **is the process when extra amino acids are converted in the**
..... **liver into urea**

[2]

(b) State the name of the structure in a cell where protein synthesis occurs.

..... **Ribosomes**

[1]

(c) State the name of an enzyme that digests proteins.

..... **protease**

[1]

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