

# NITROGEN CYCLE

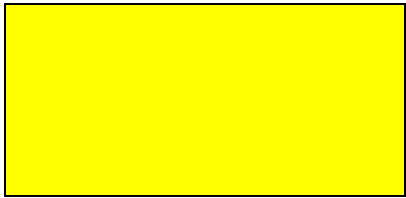
National 5

# Nitrogen cycle

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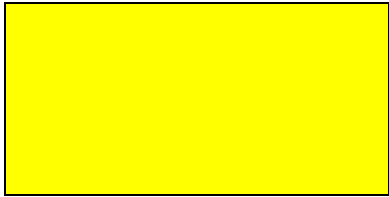
## Learning Outcomes

- Nitrogen is essential to all living things as it is found in all proteins.
- Nitrogen must be chemically converted before living things are able to use it.
- The nitrogen cycle is an example of the continuous circulation of a chemical element in nature.
- The nitrogen cycle is an example of interdependence.



nitrogen in

nitrogen in  
nitrates in soil



nitrogen in  
nitrates in soil

Nitrogen in

nitrogen in  
nitrates in soil

Nitrogen in  
plants

nitrogen in  
nitrates in soil



Nitrogen in  
plants  
(e.g. protein)

nitrogen in  
nitrates in soil

Nitrogen in  
plants  
(e.g. protein)



nitrogen in  
nitrates in soil

Nitrogen in  
plants  
(e.g. protein)

absorption by roots

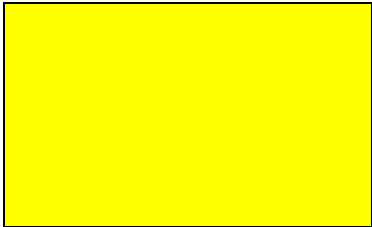
nitrogen in  
nitrates in soil



Nitrogen in  
plants  
(e.g. protein)

absorption by roots

nitrogen in  
nitrates in soil



Nitrogen in  
plants  
(e.g. protein)

Nitrogen in

absorption by roots

nitrogen in  
nitrates in soil



Nitrogen in  
plants  
(e.g. protein)

Nitrogen in  
animals

absorption by roots

nitrogen in  
nitrates in soil



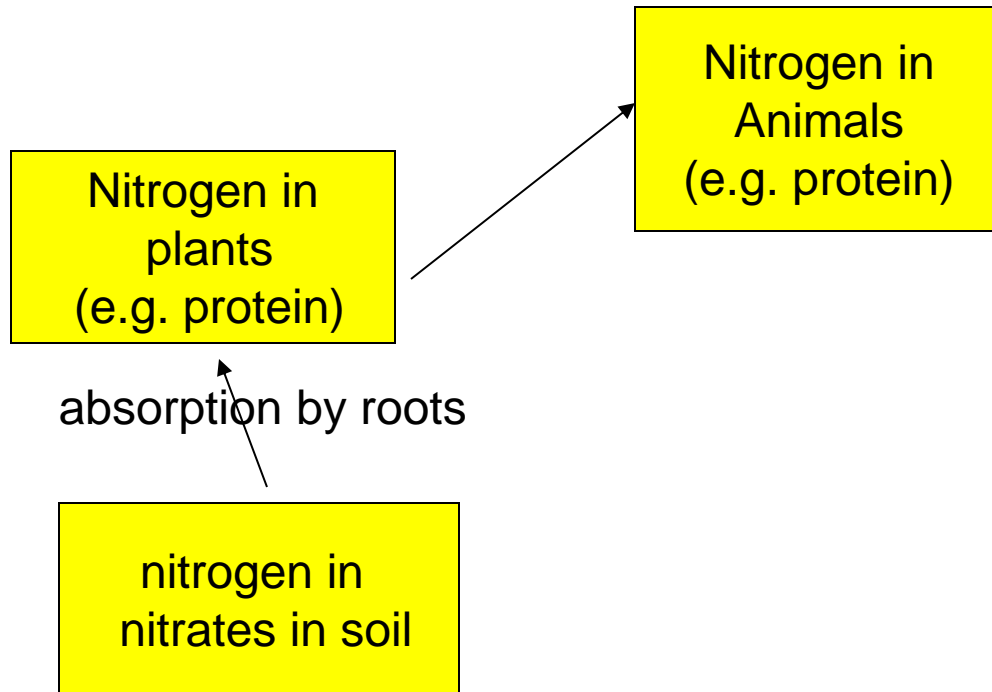
Nitrogen in  
plants  
(e.g. protein)

Nitrogen in  
Animals  
(e.g. protein)

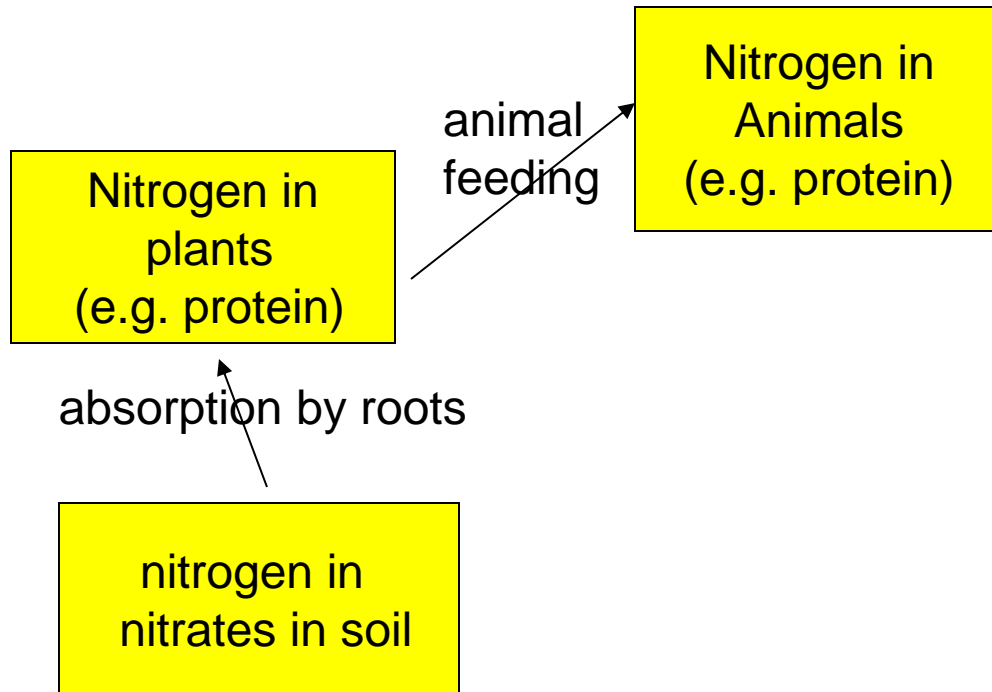
absorption by roots

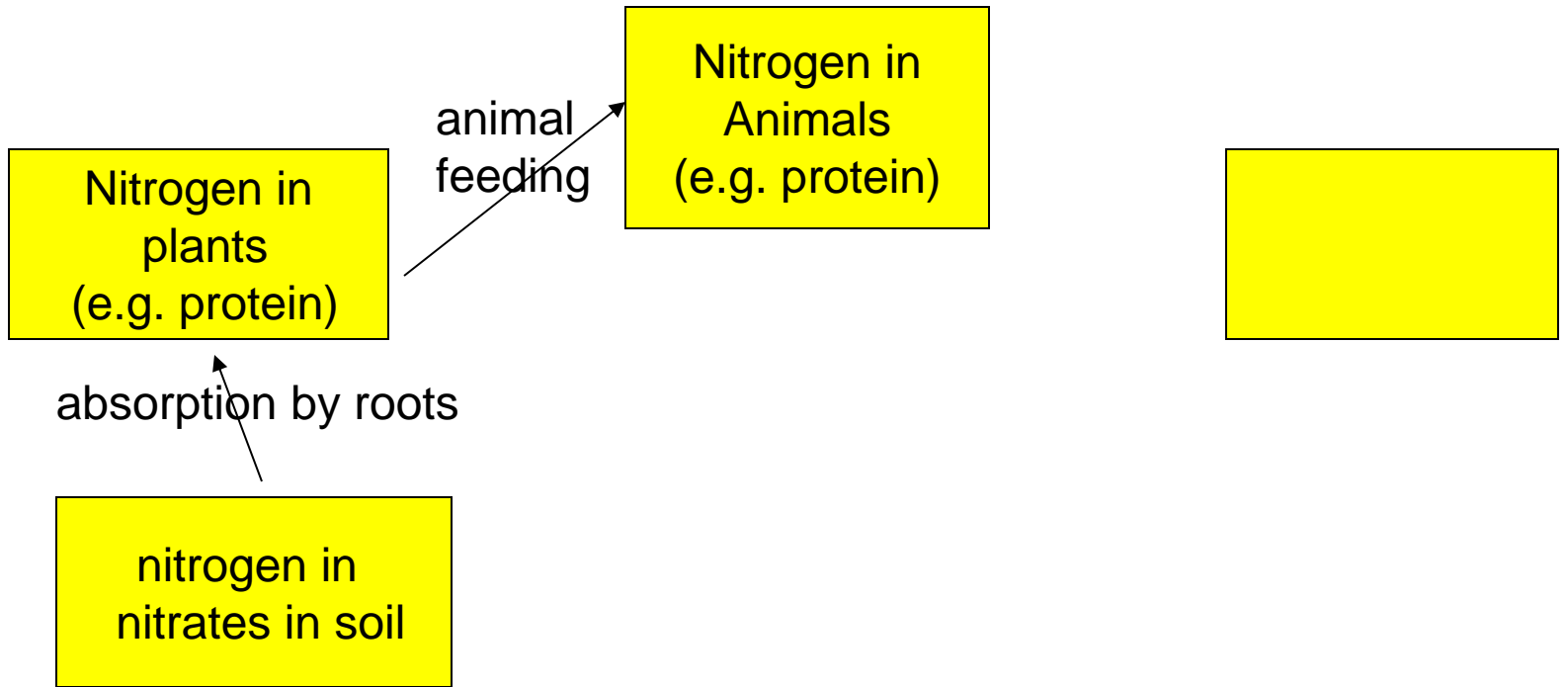
nitrogen in  
nitrates in soil

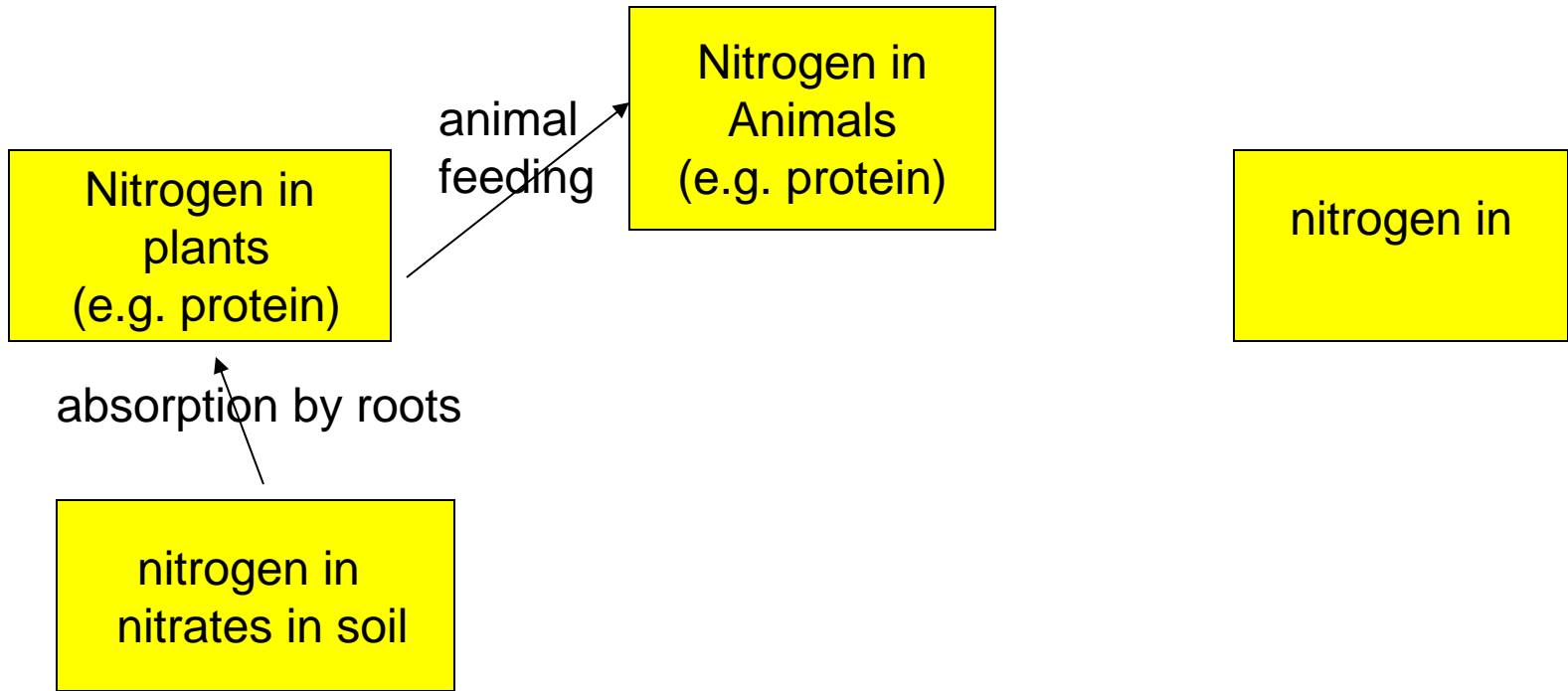


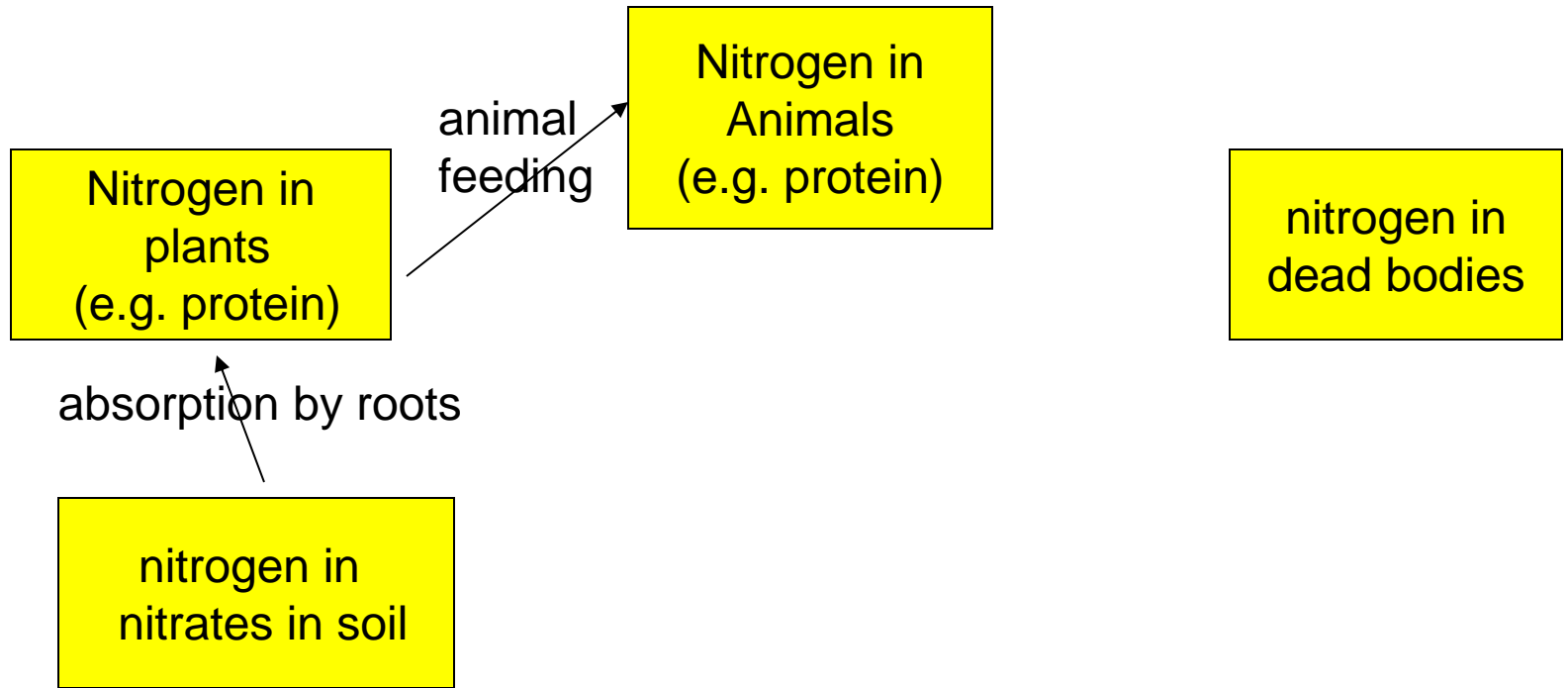


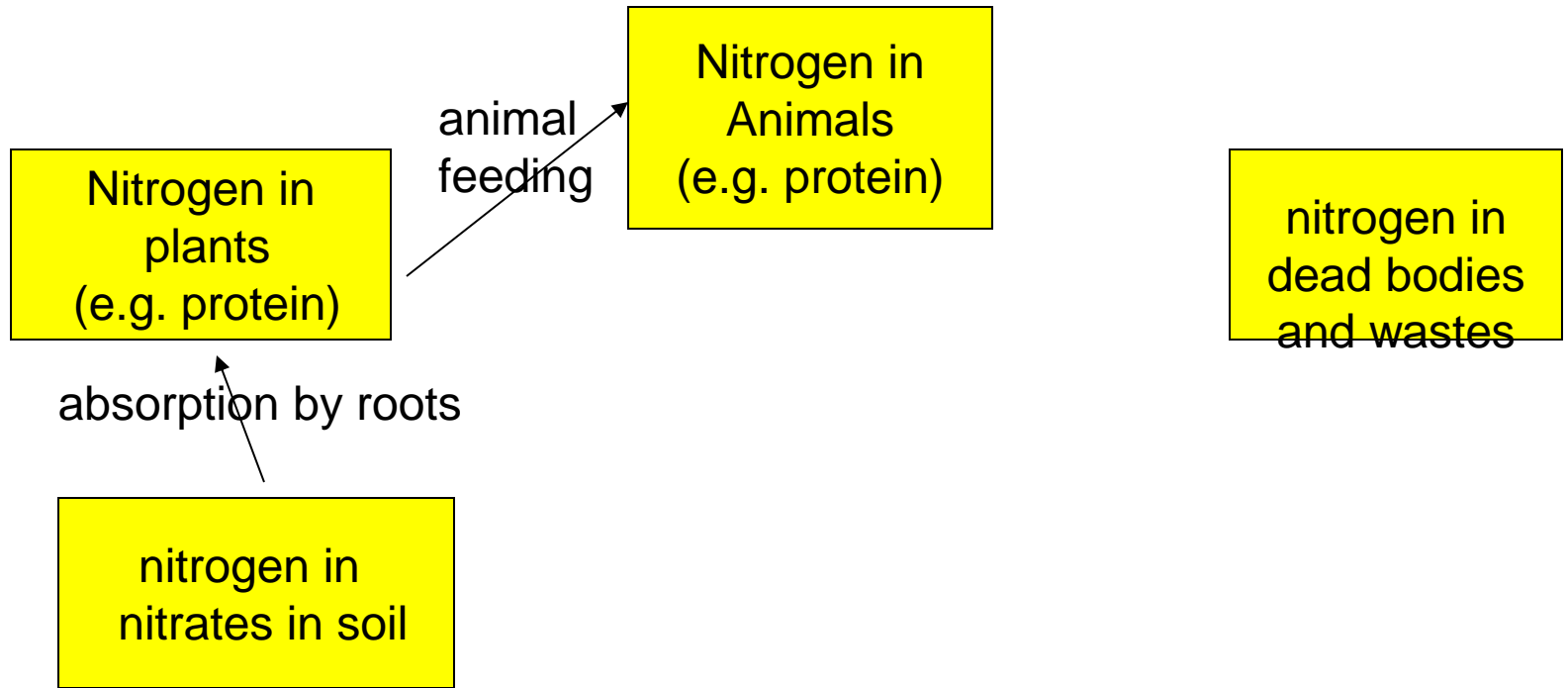


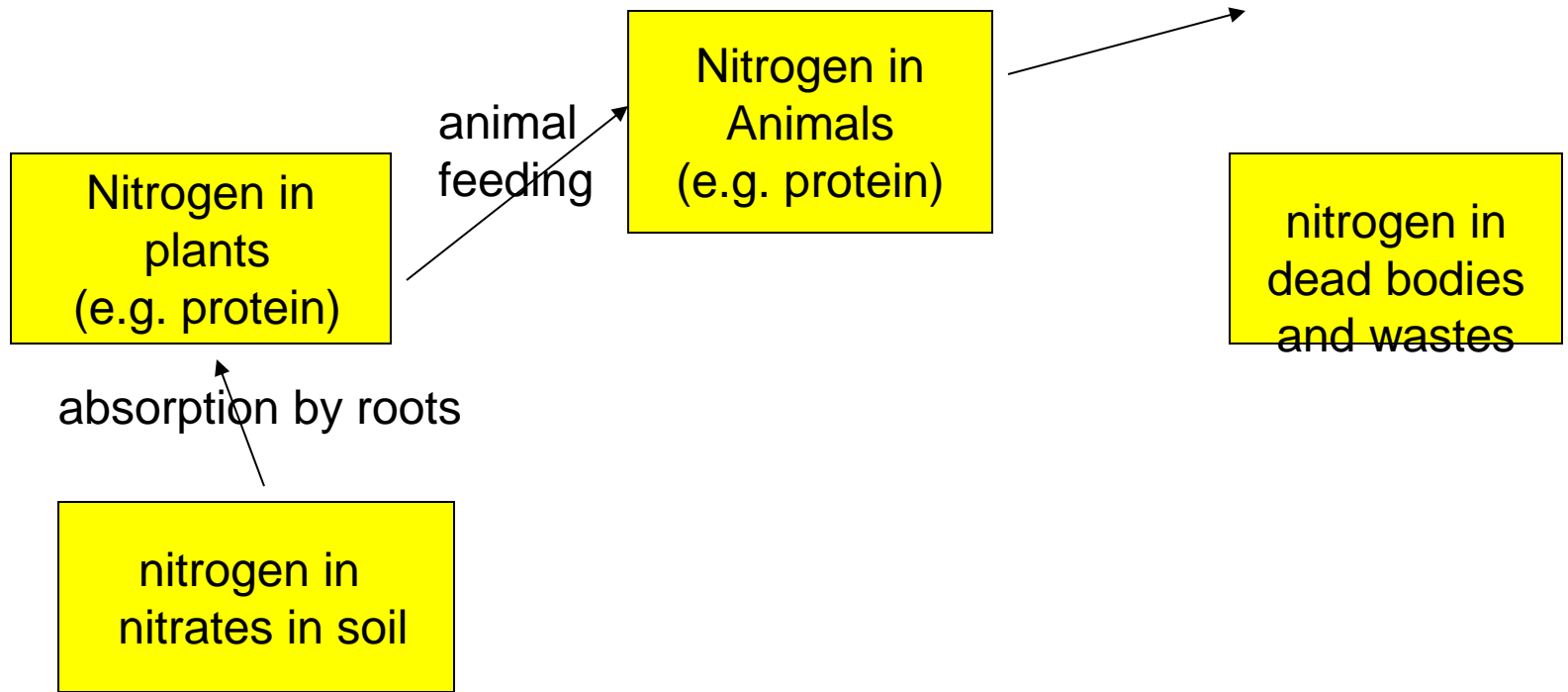


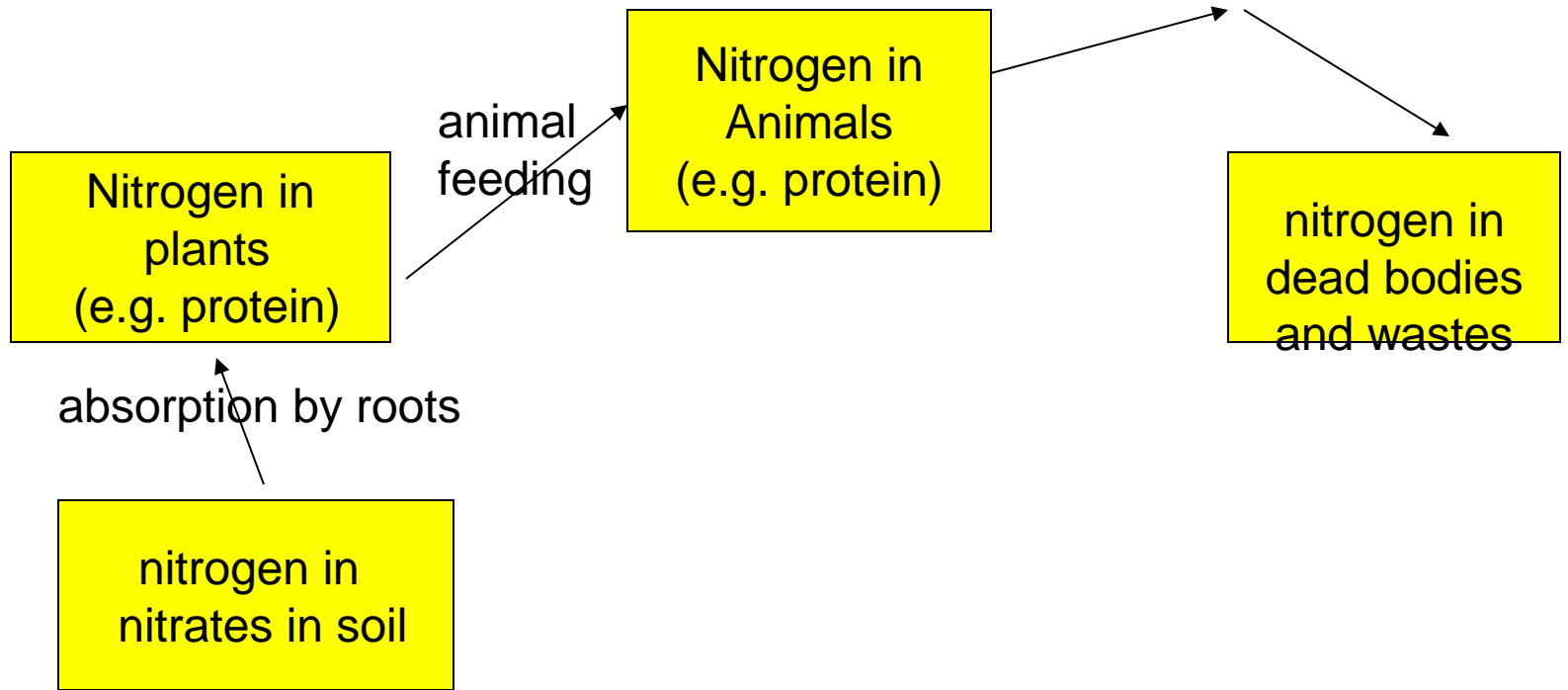


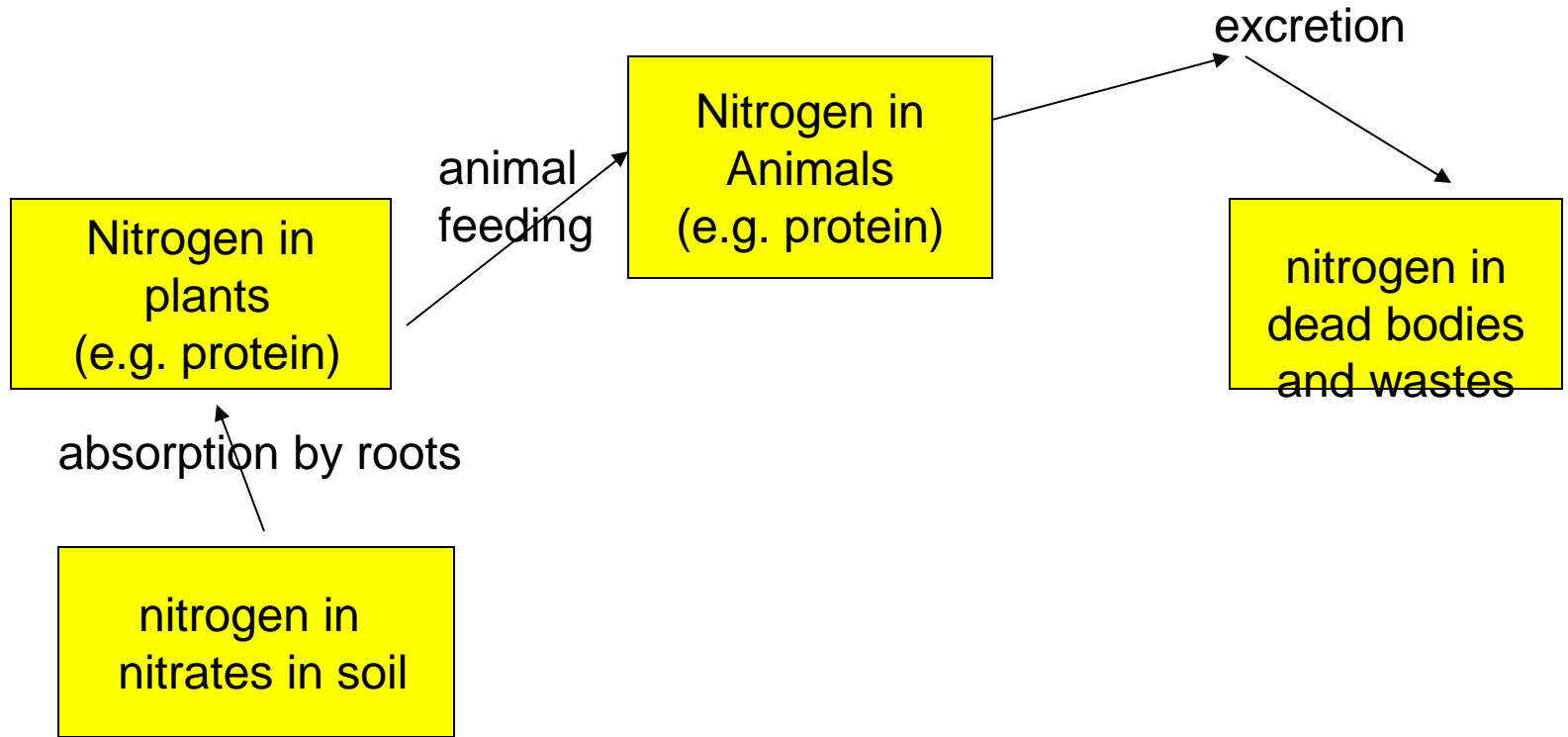




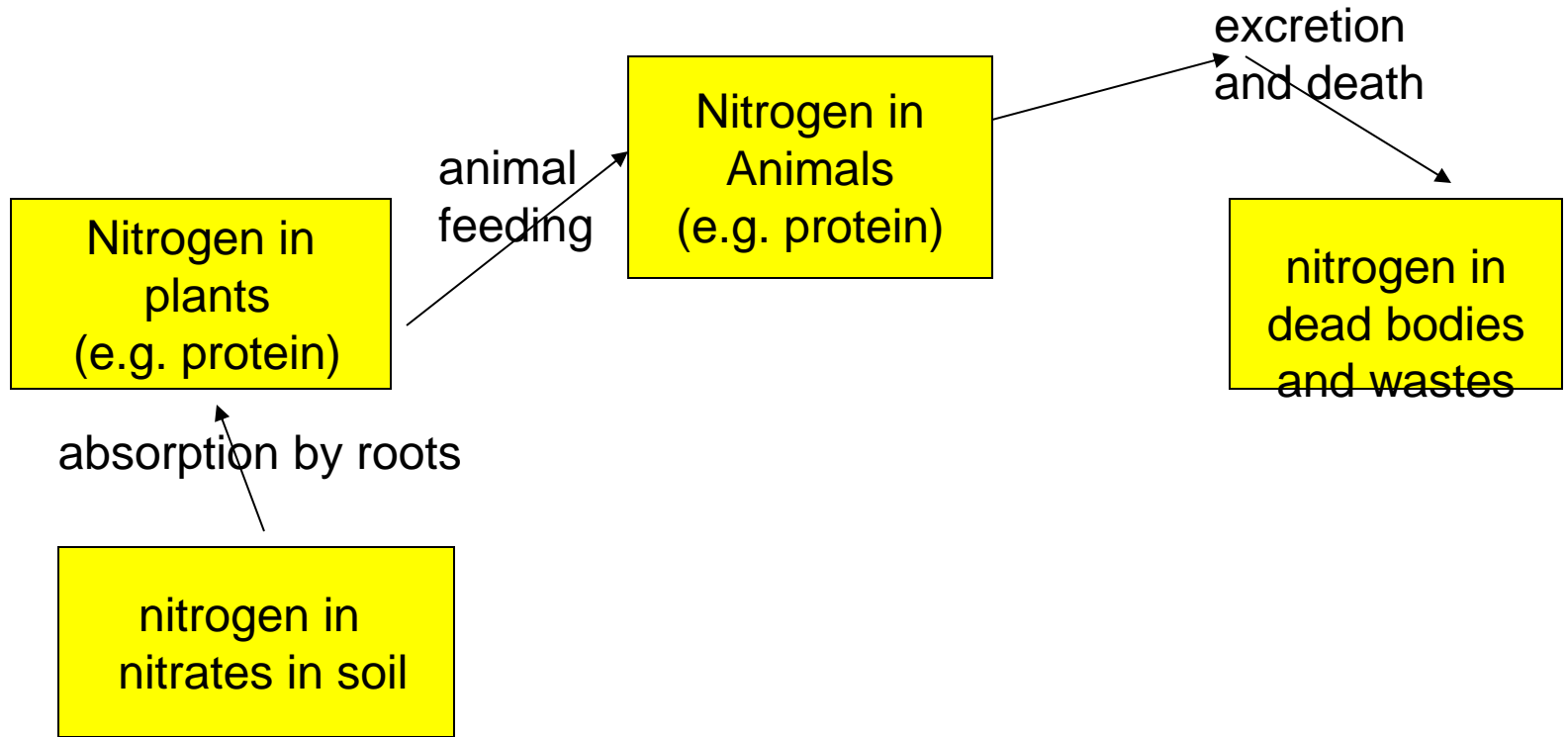


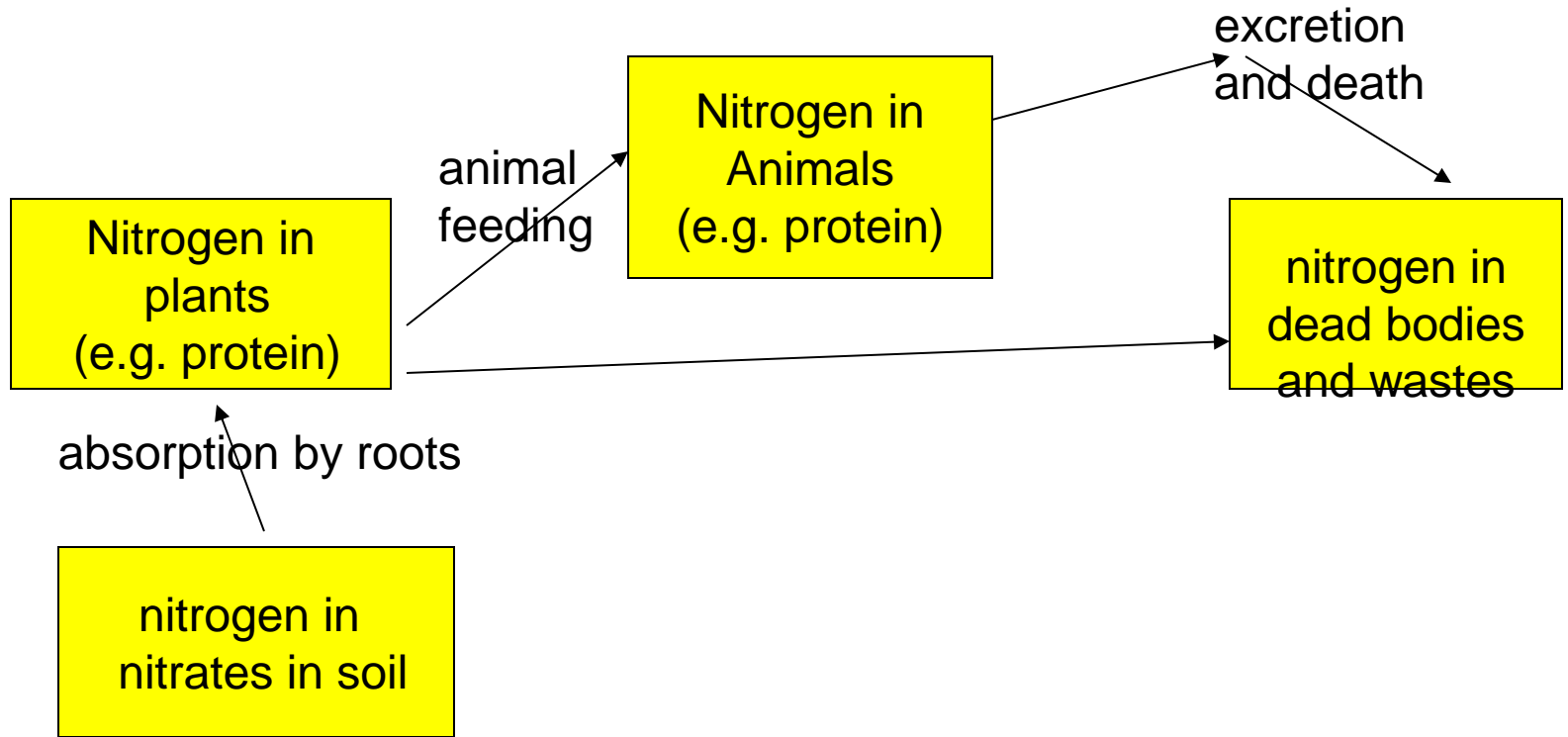


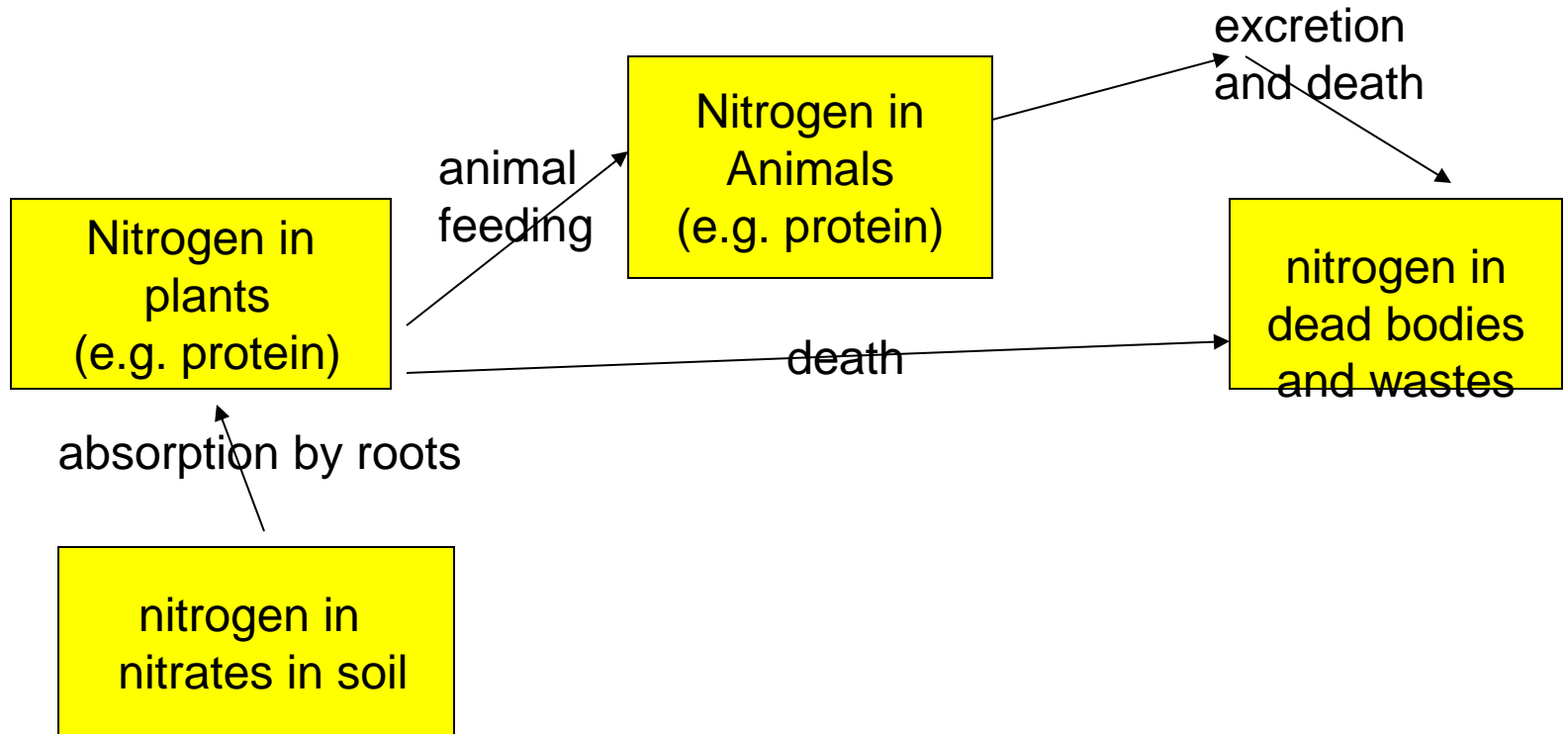


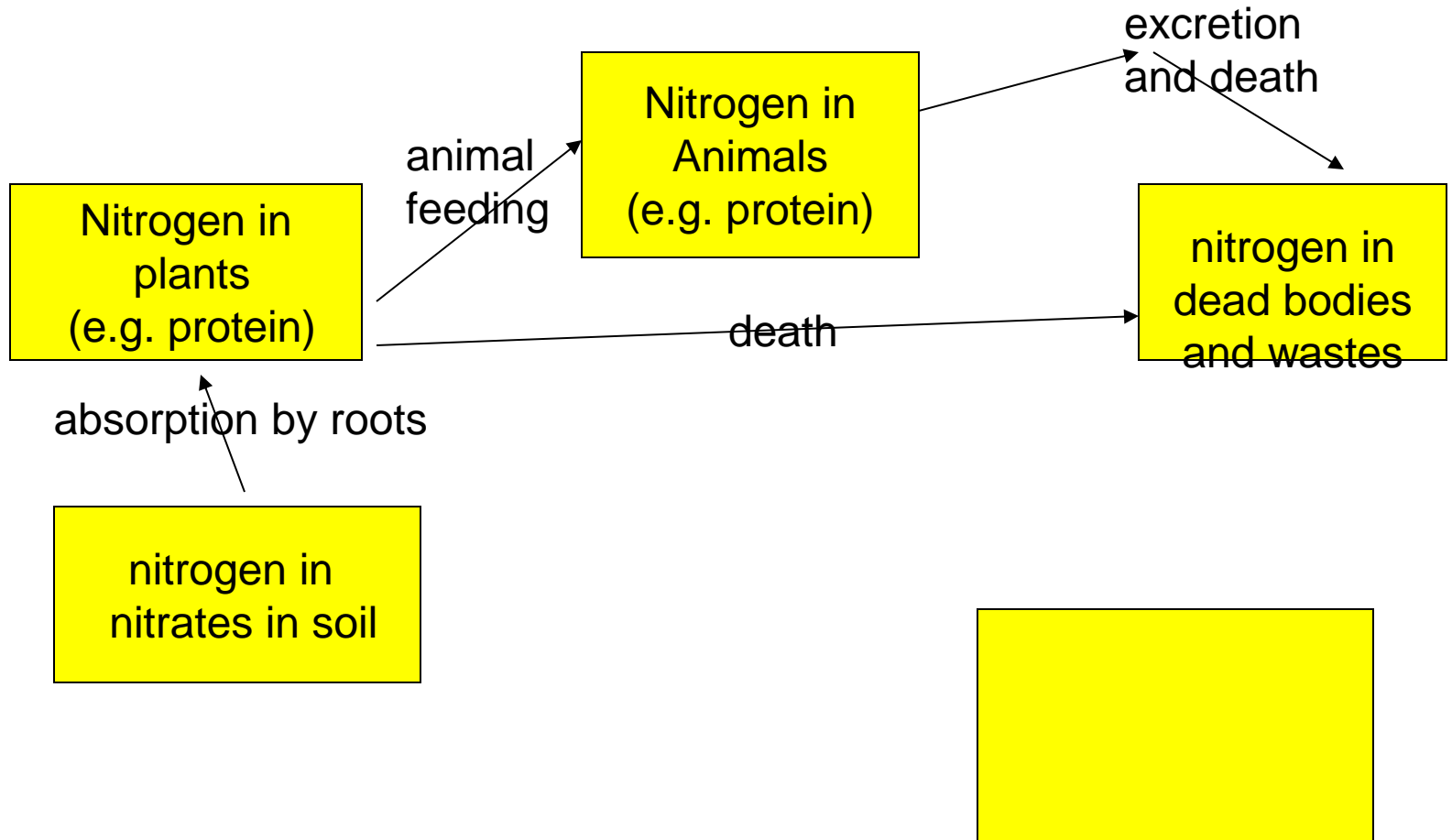


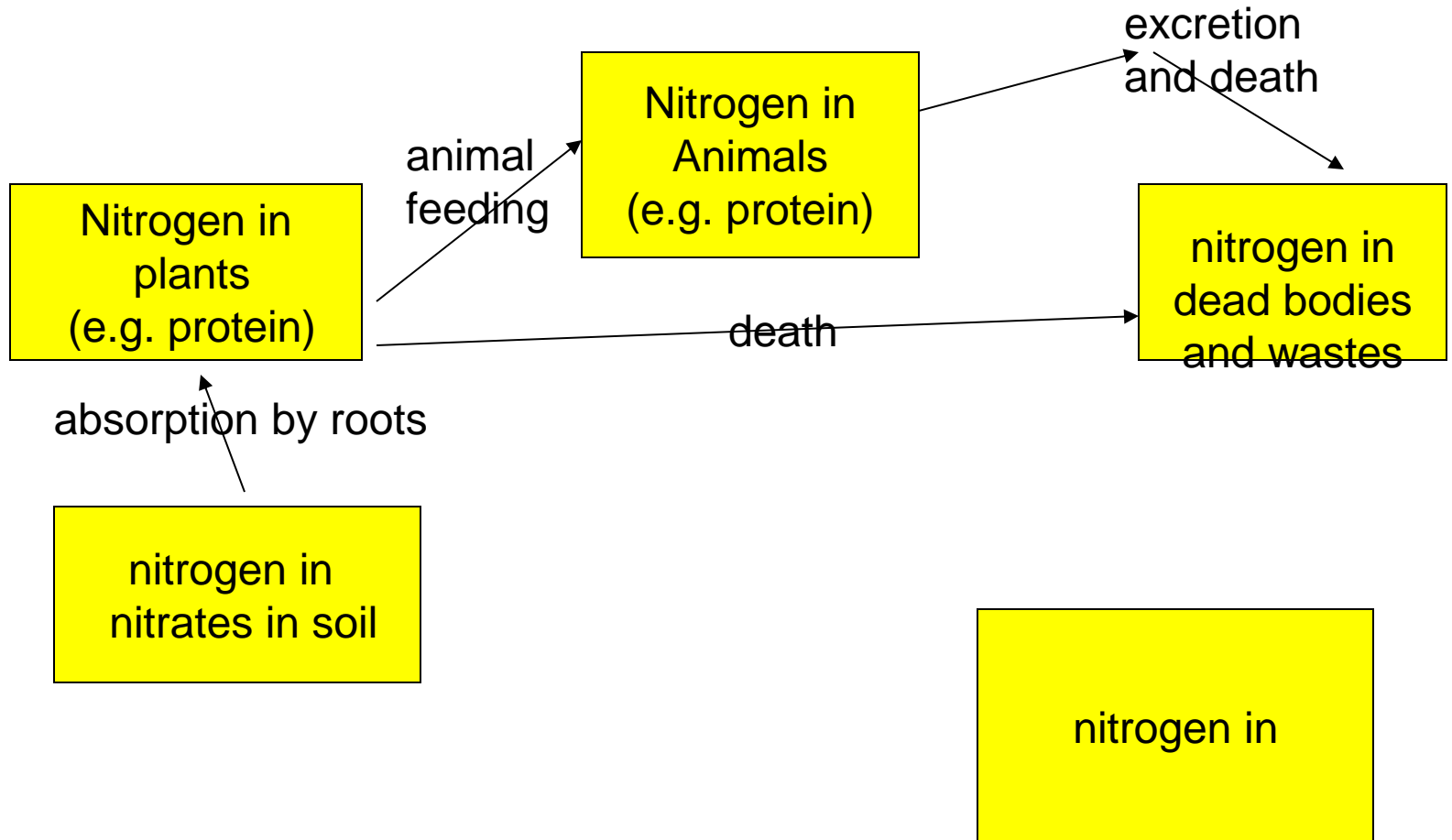


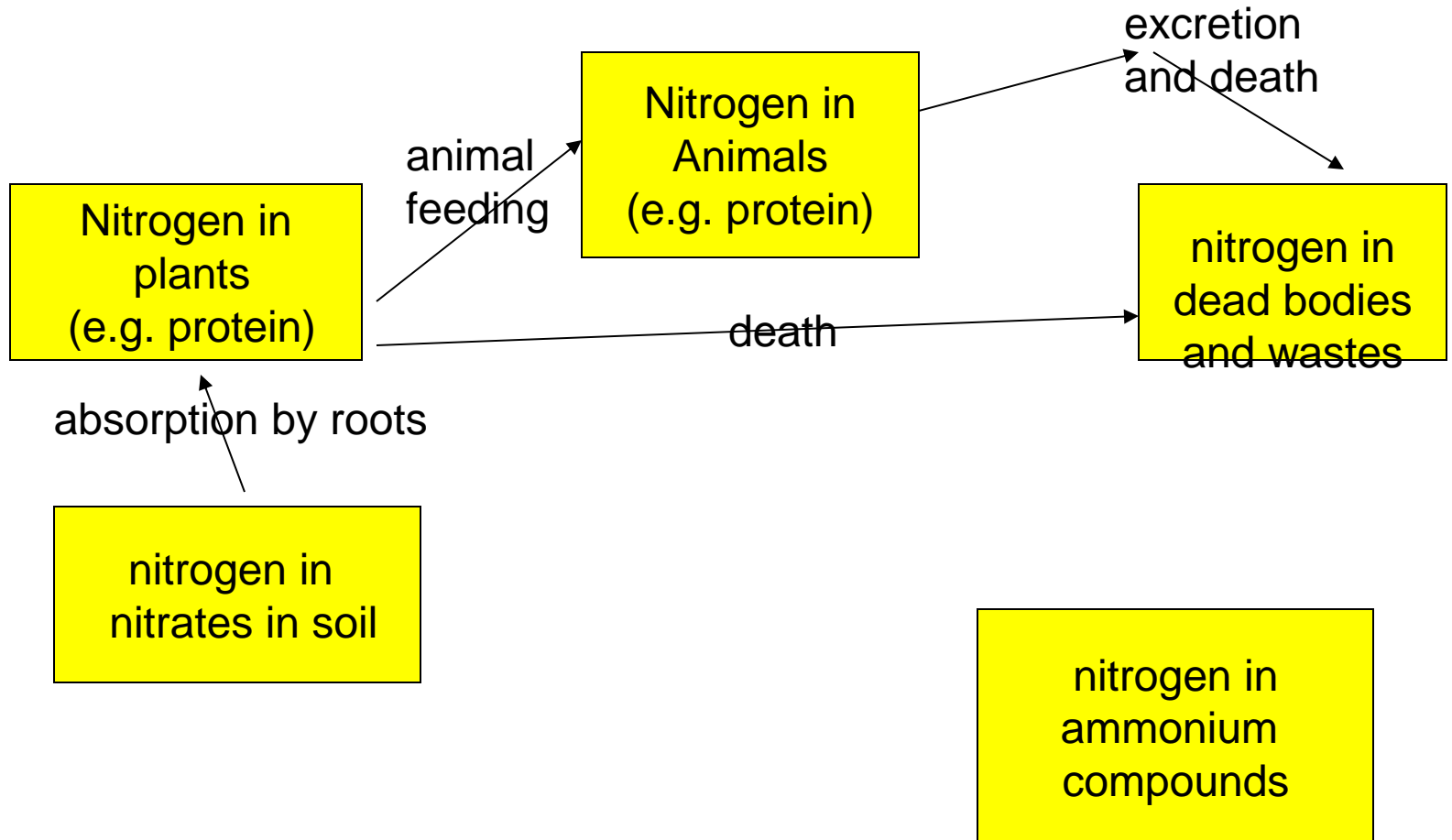


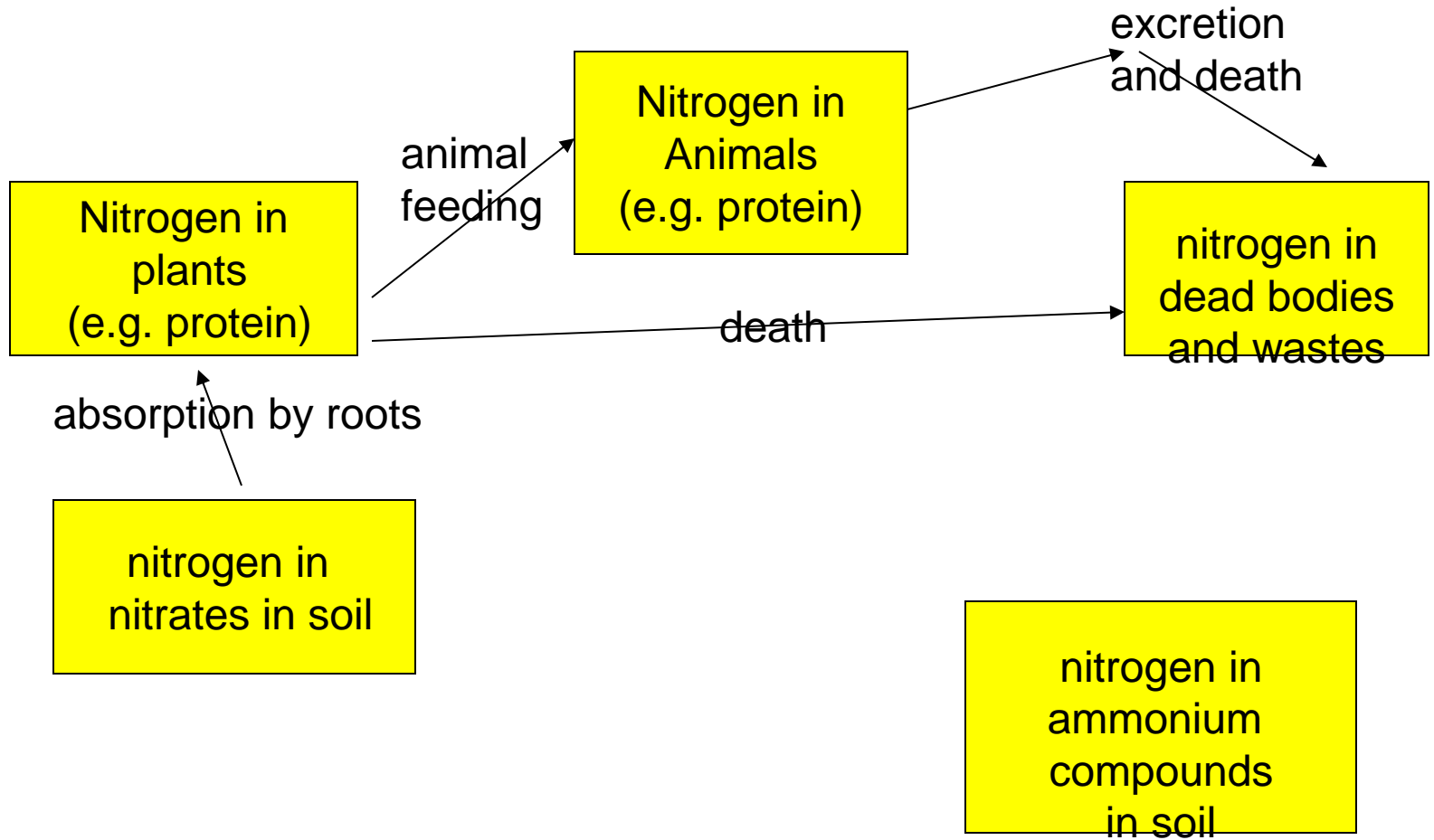


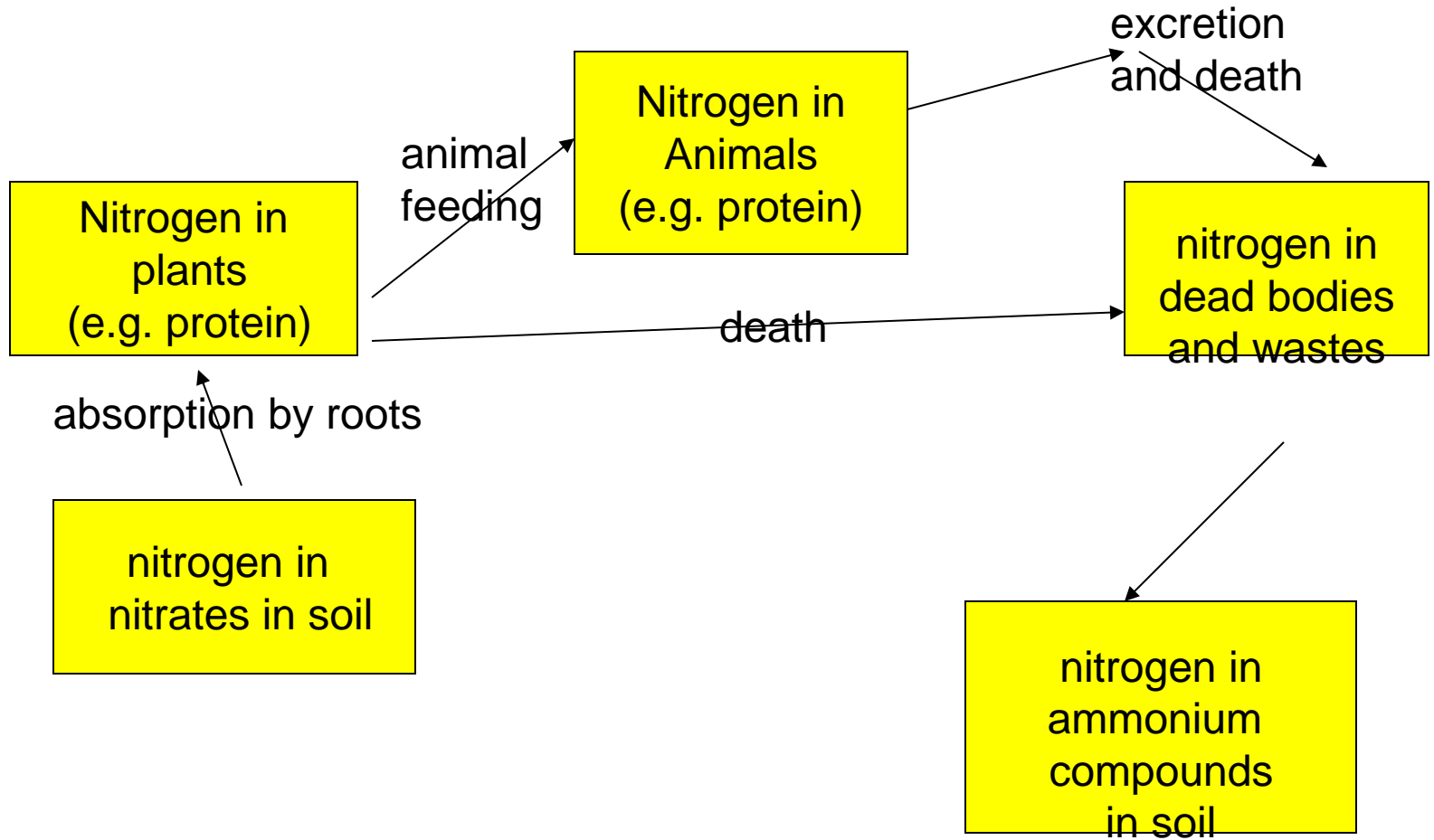




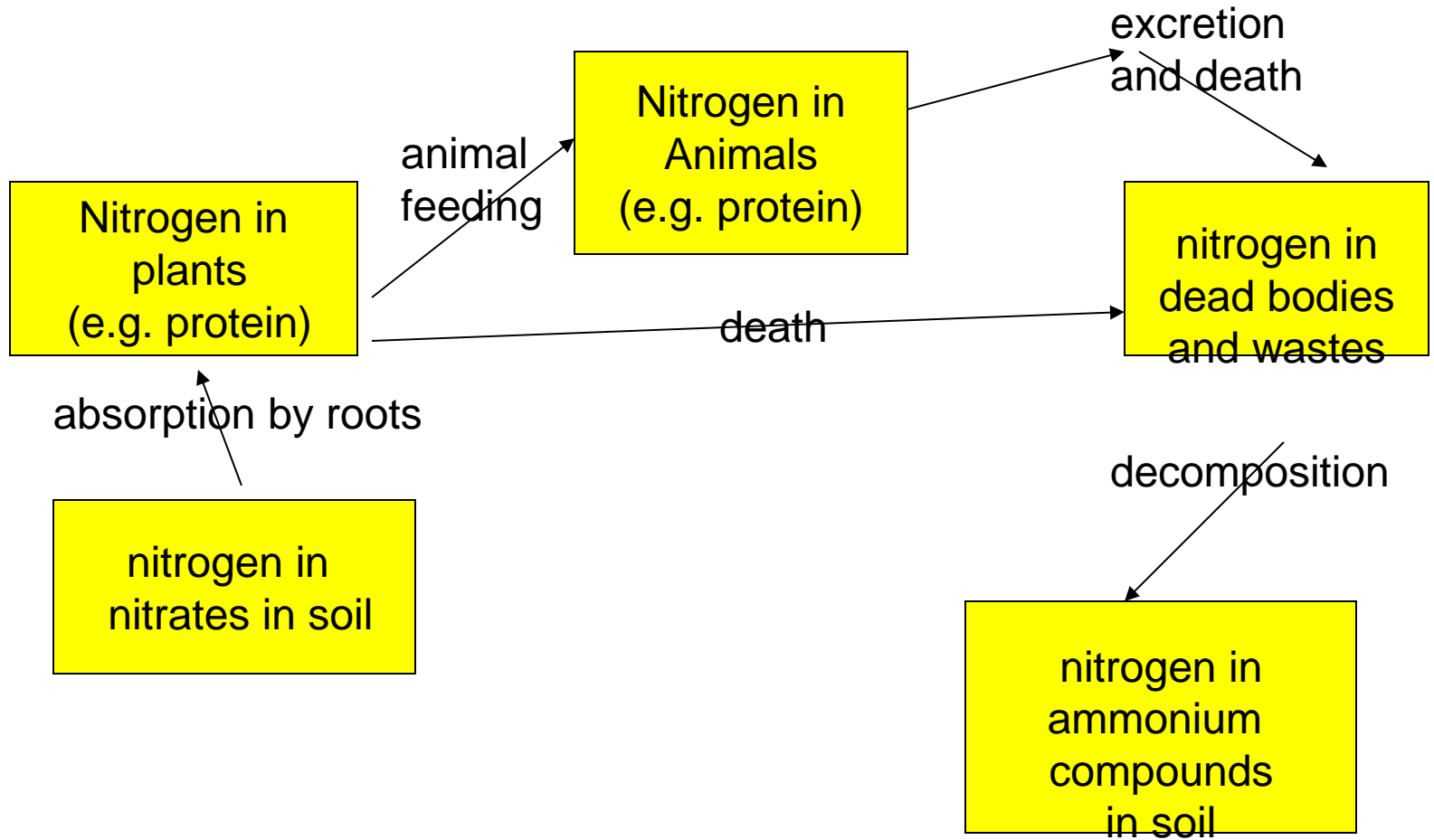


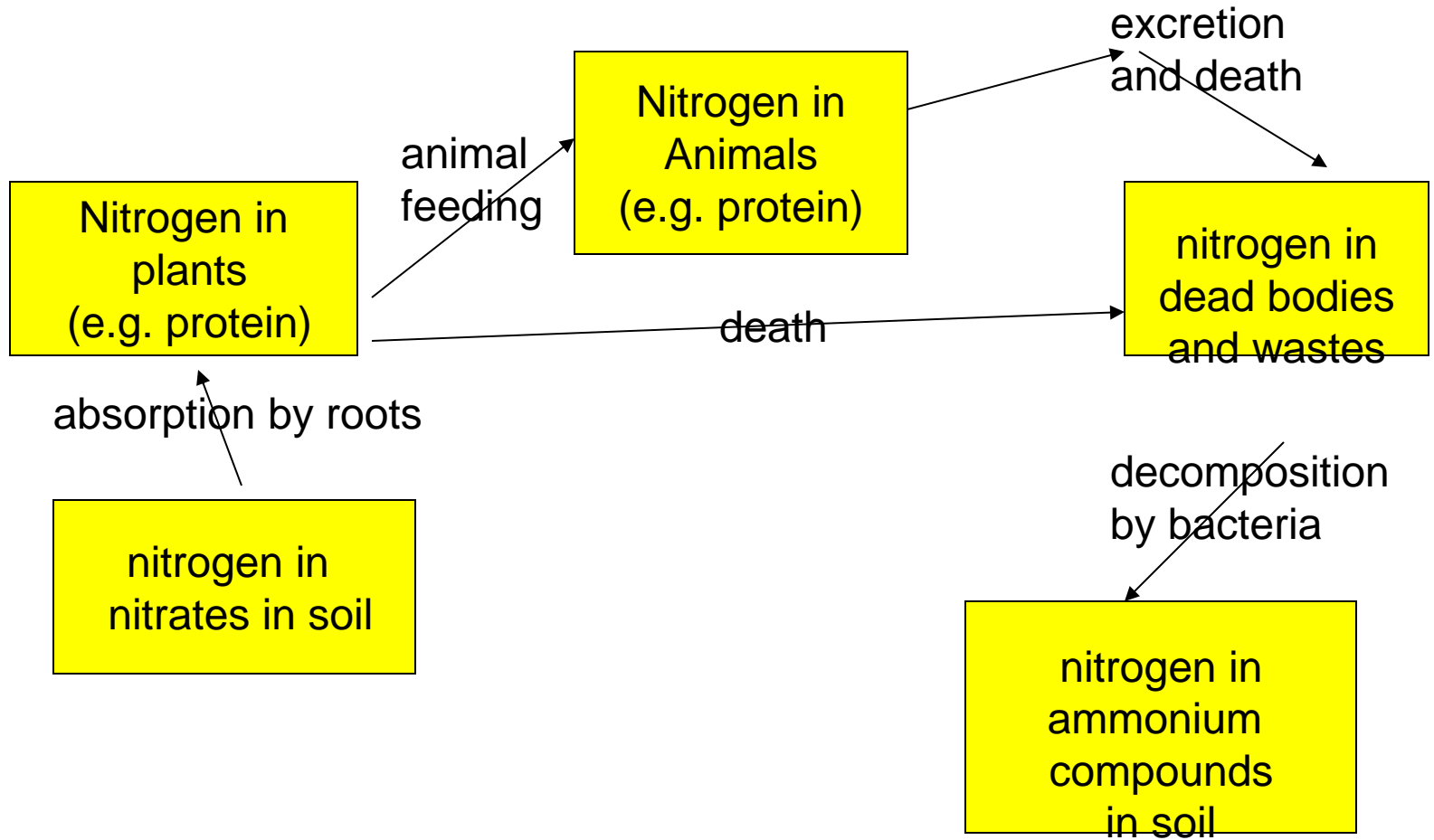


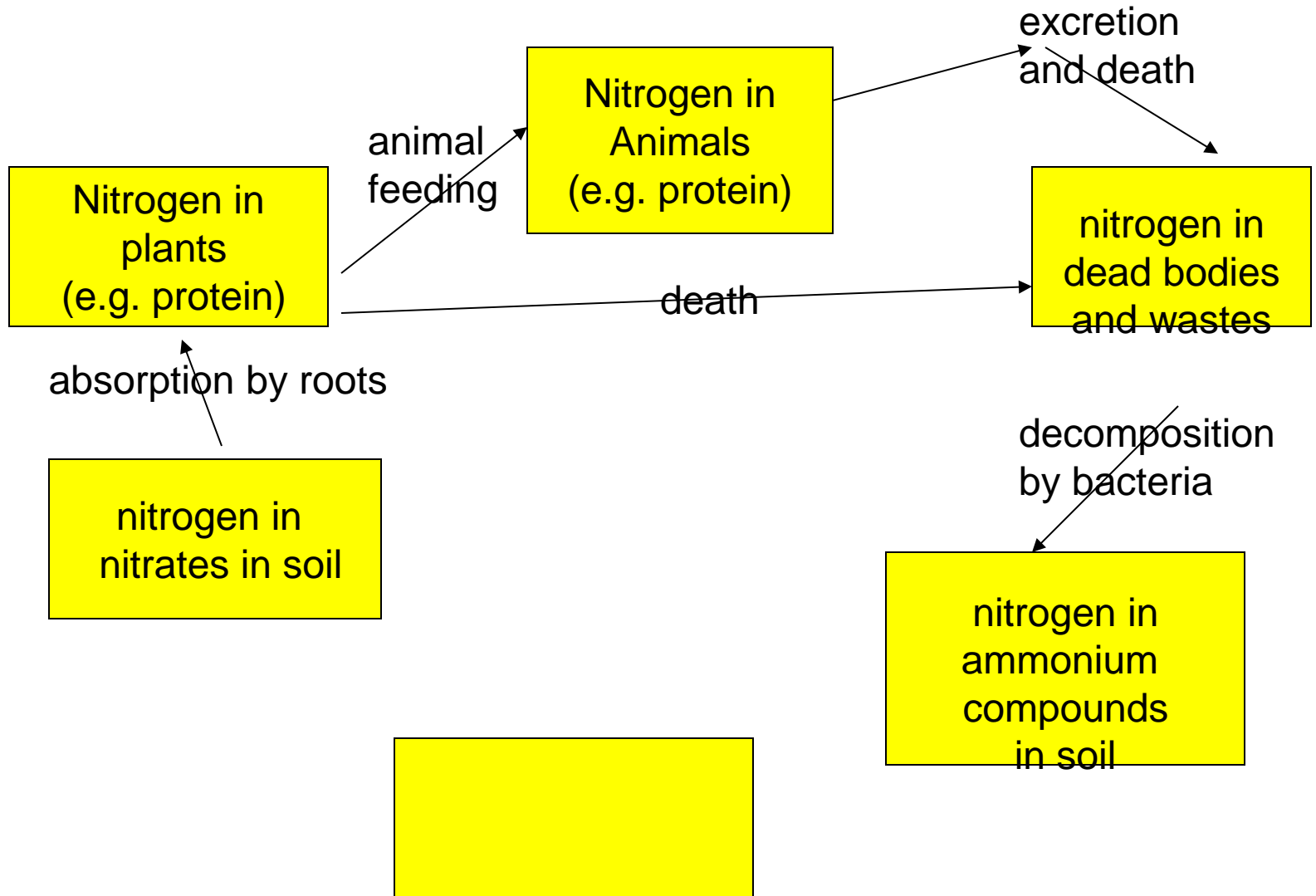


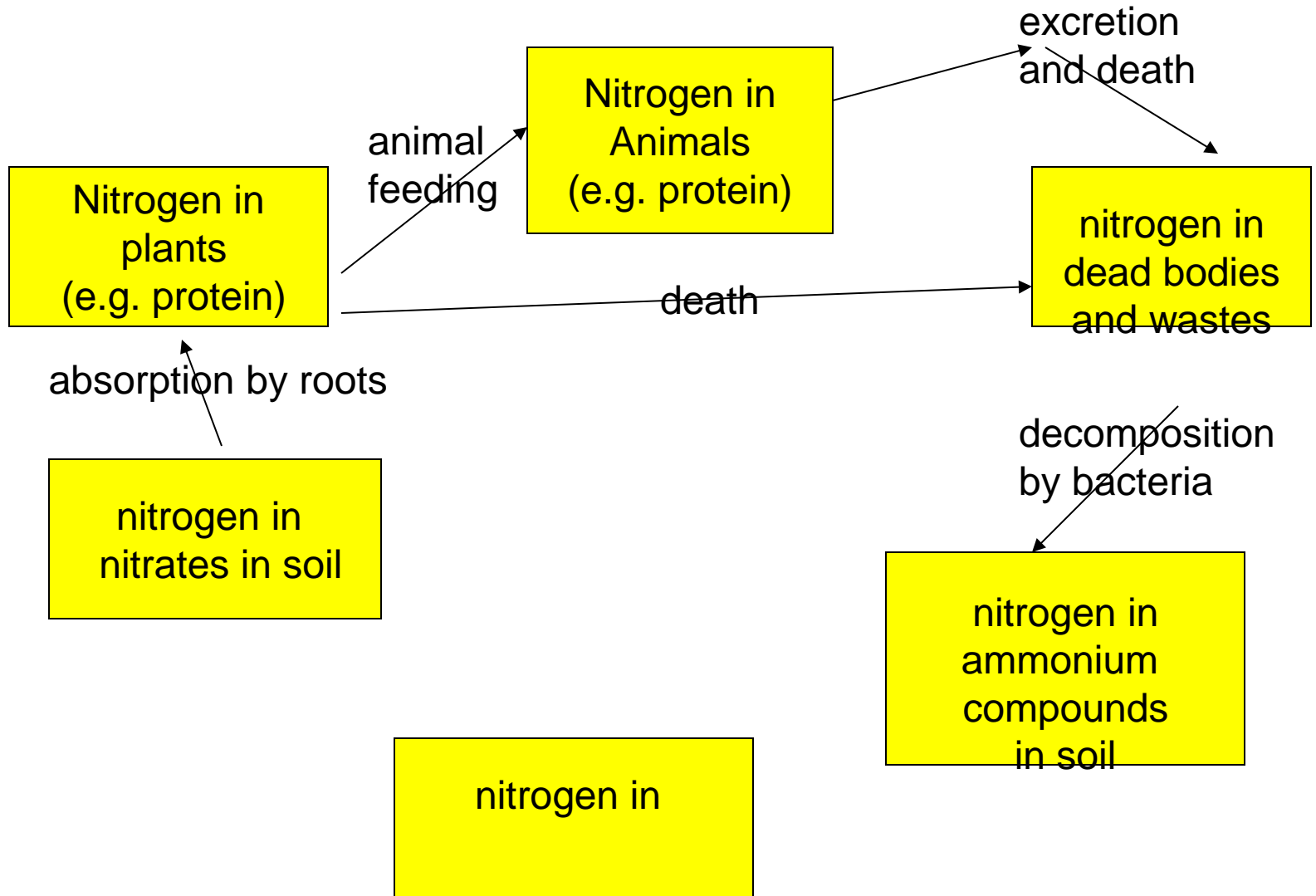


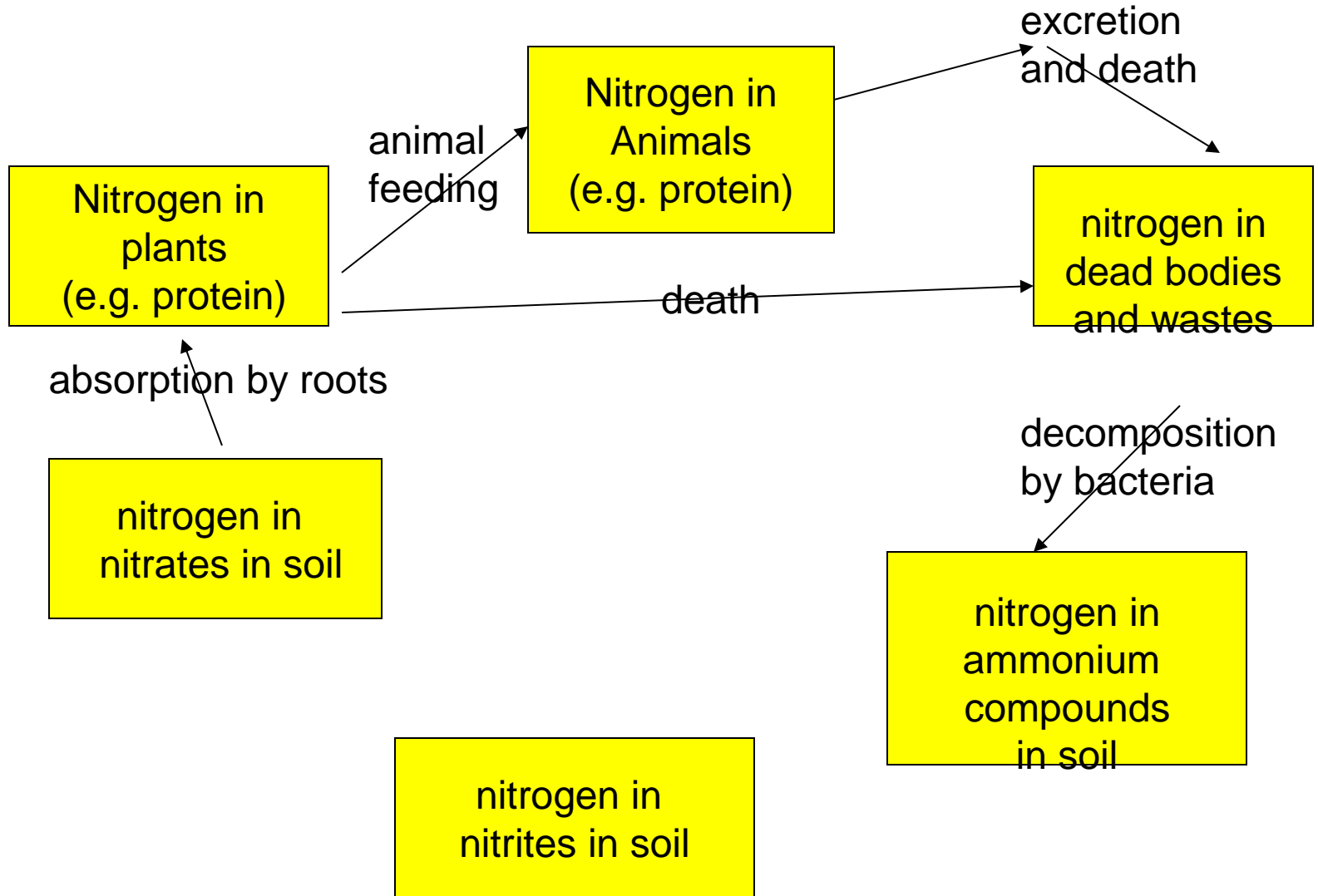


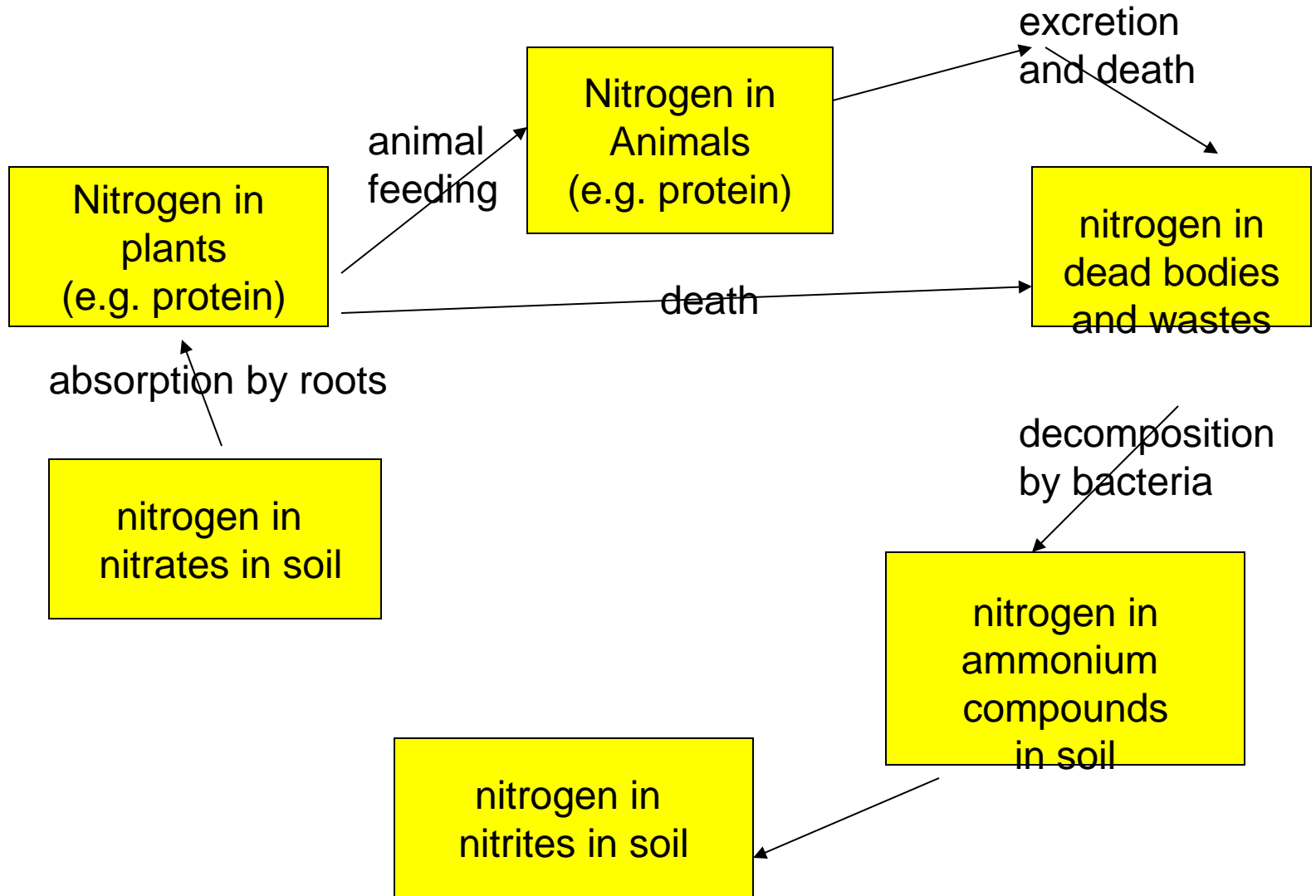


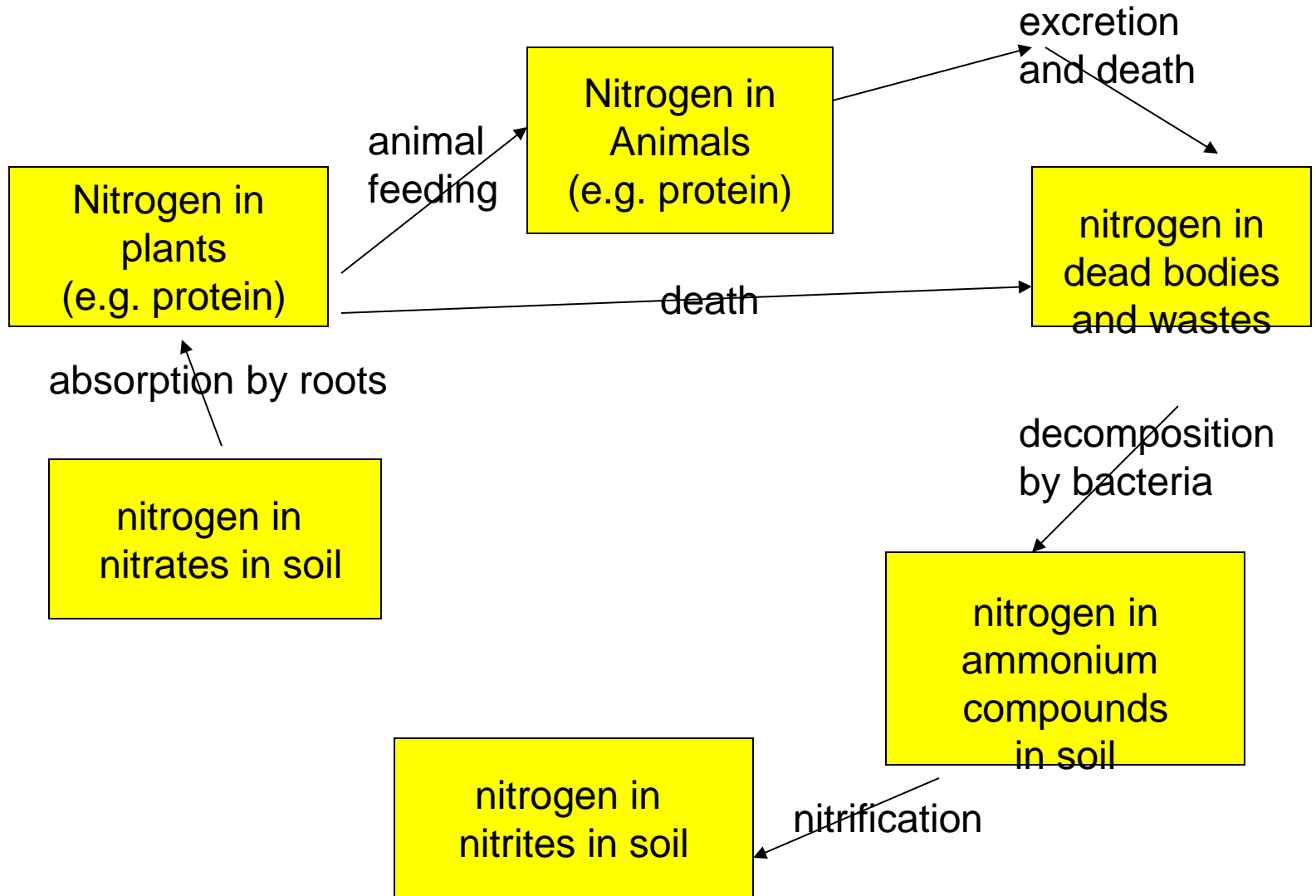


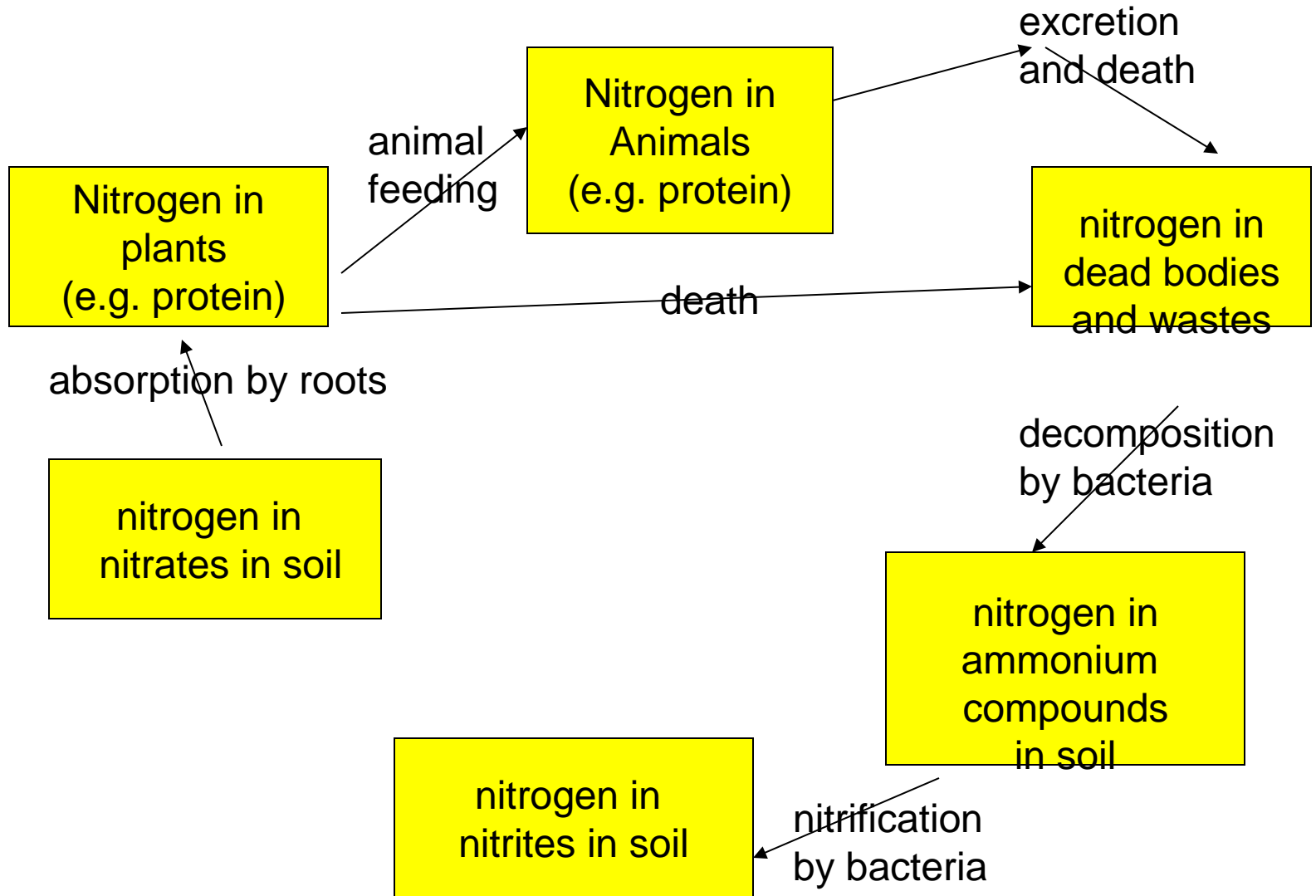




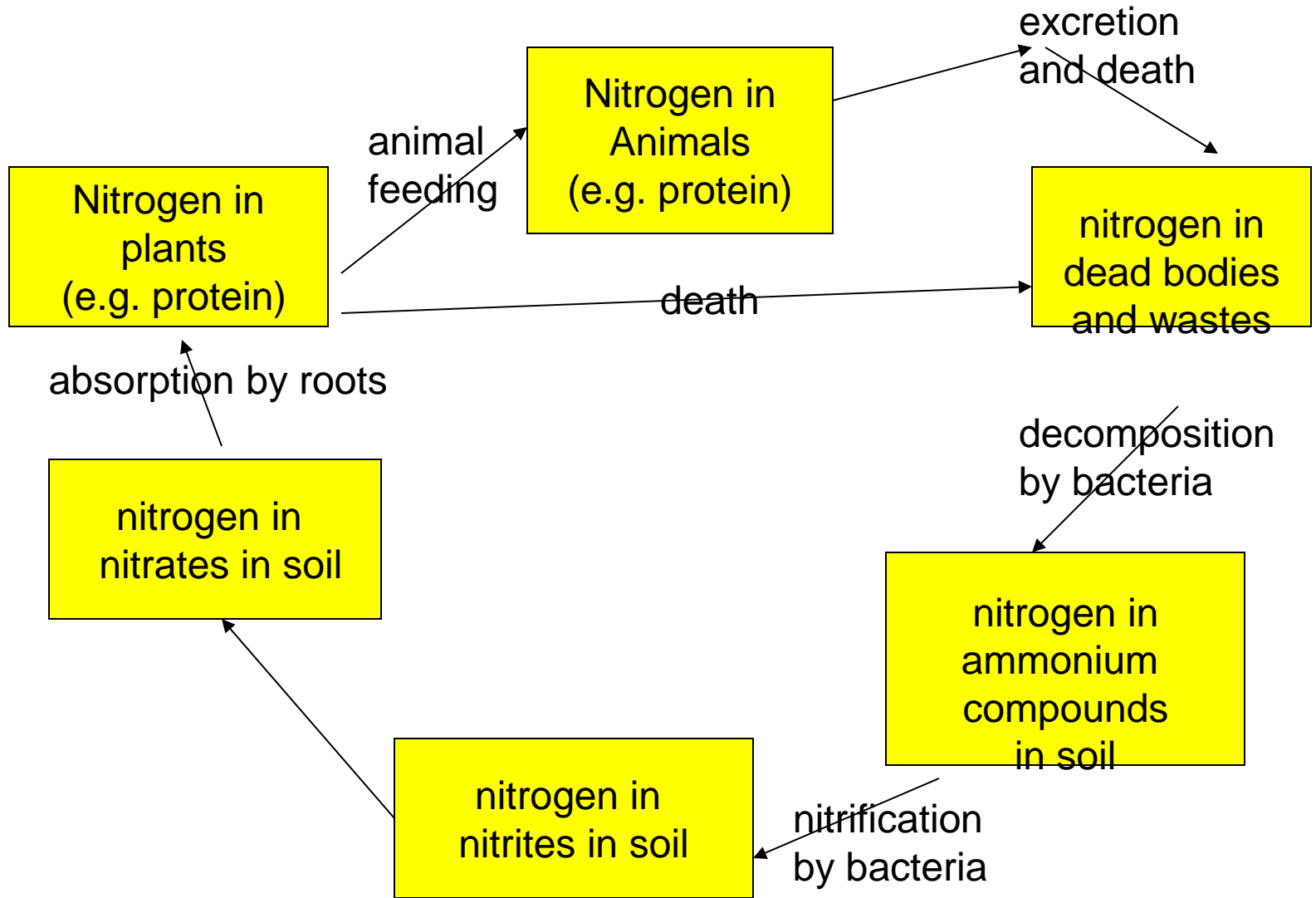


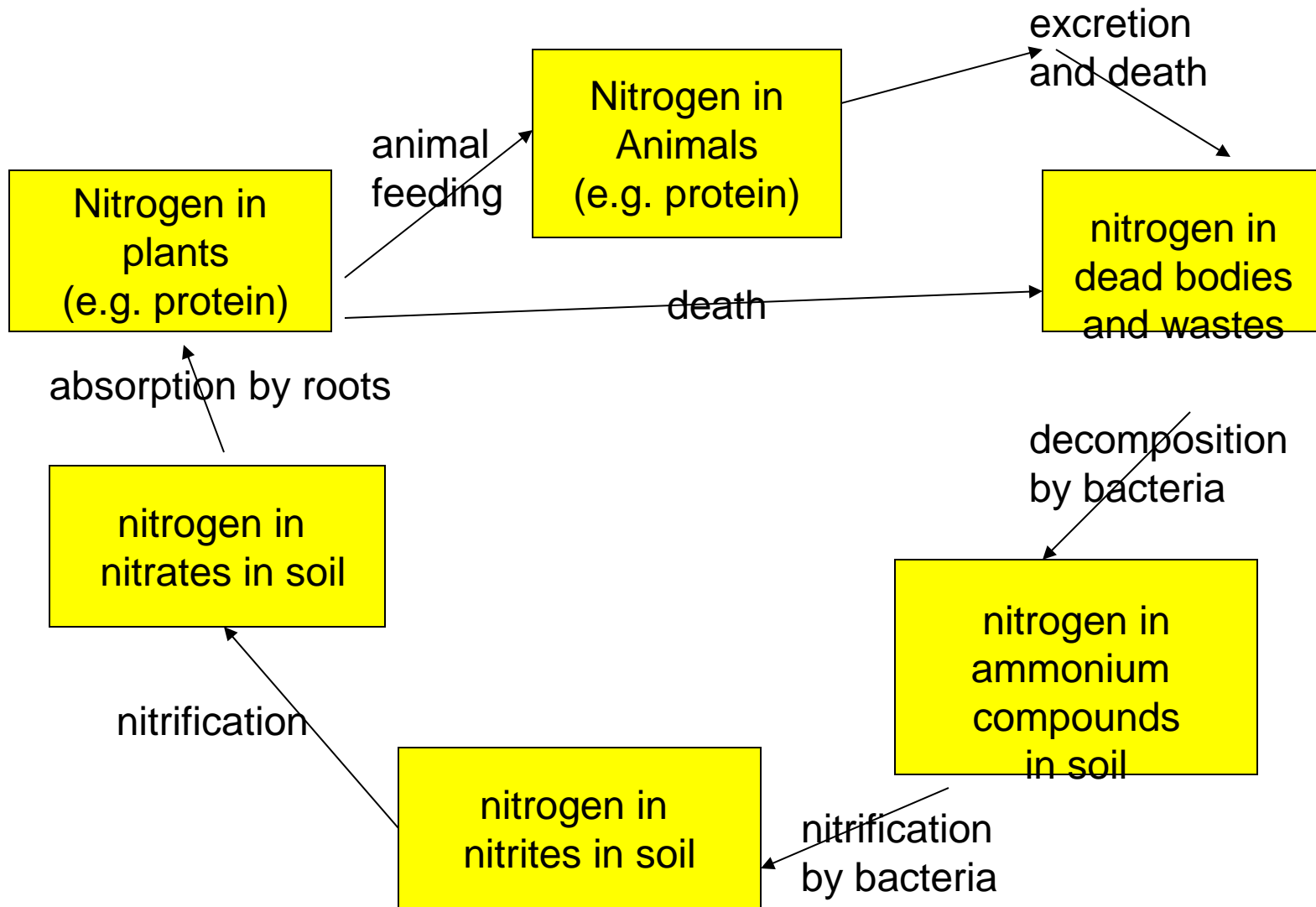


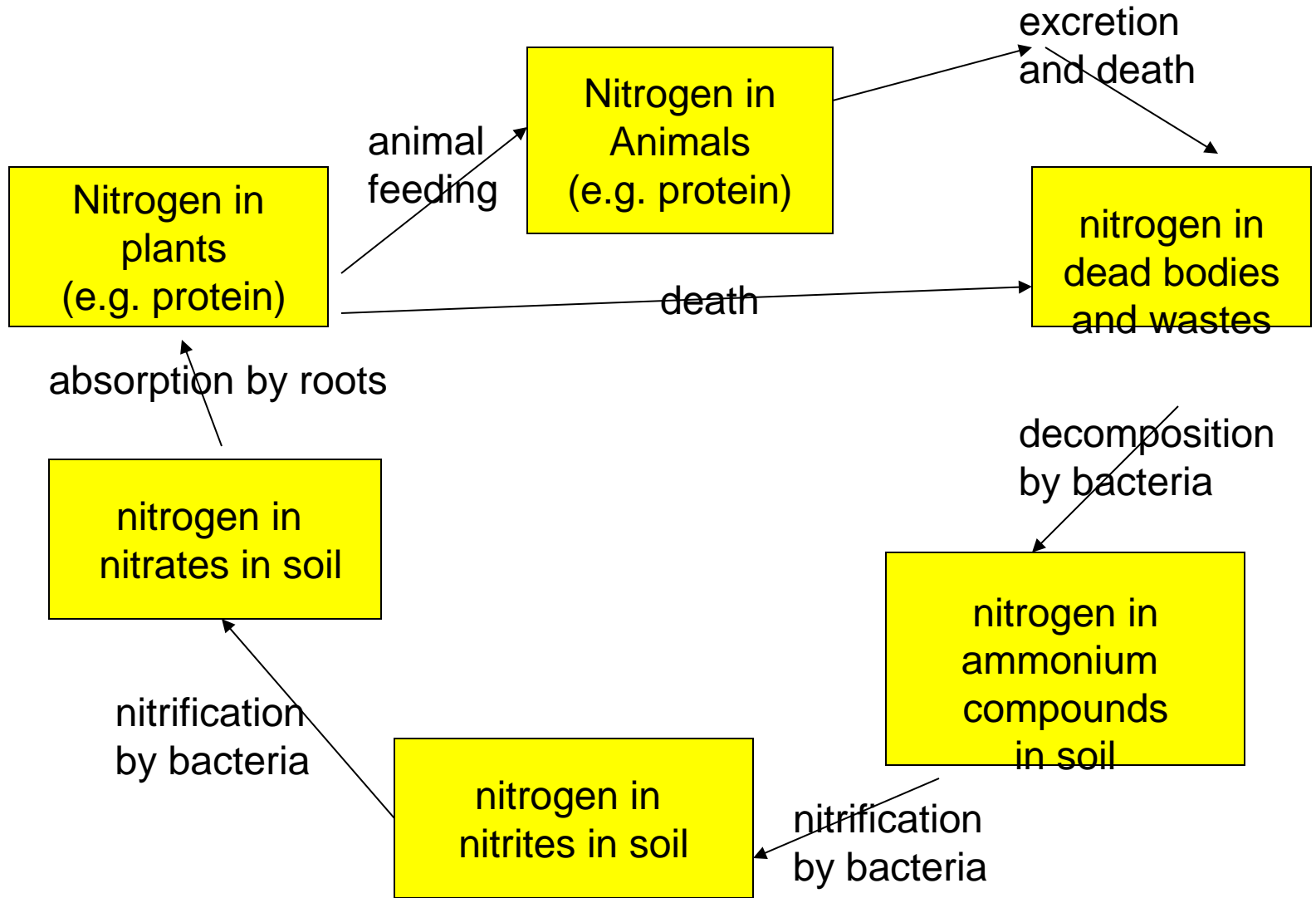


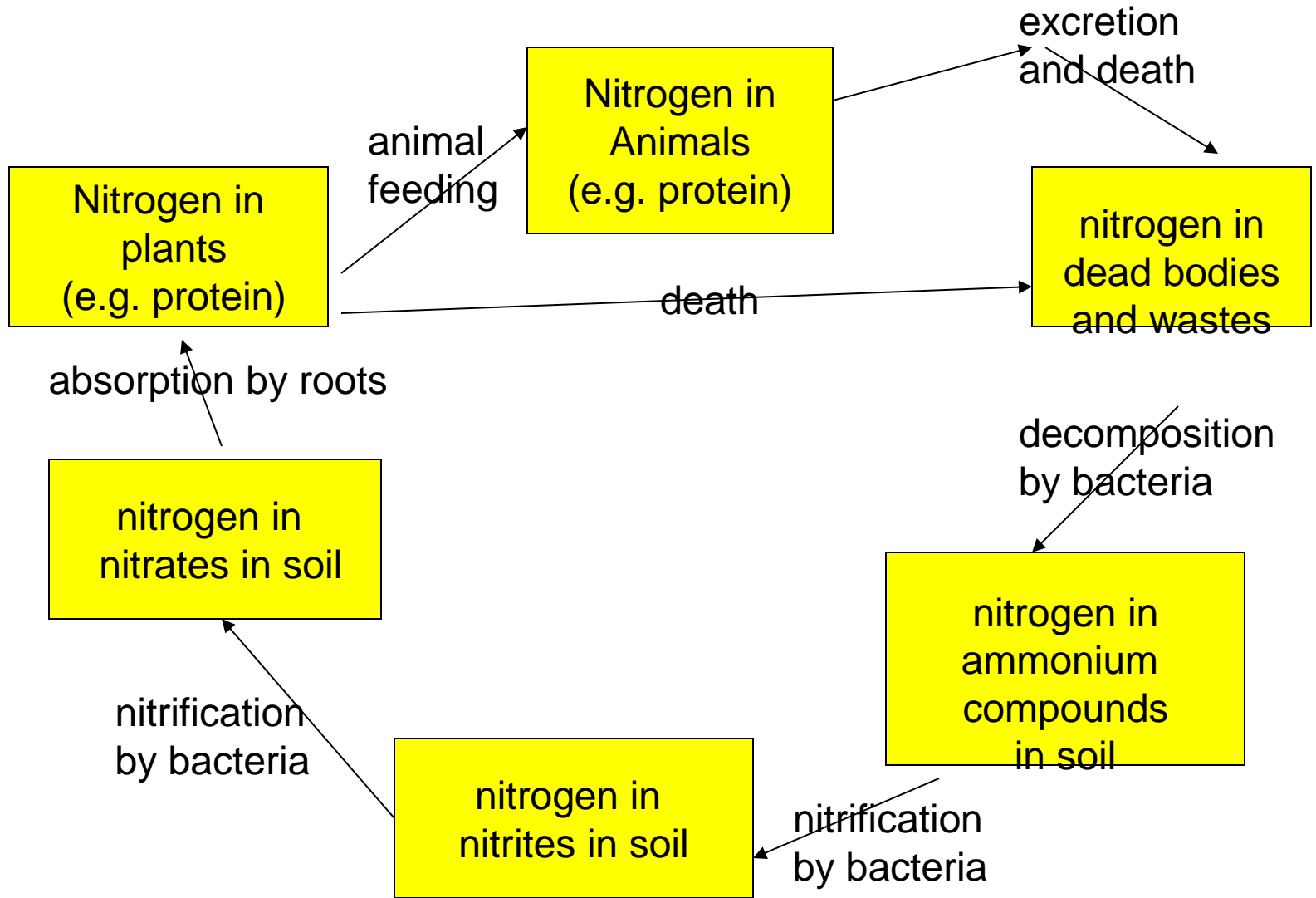


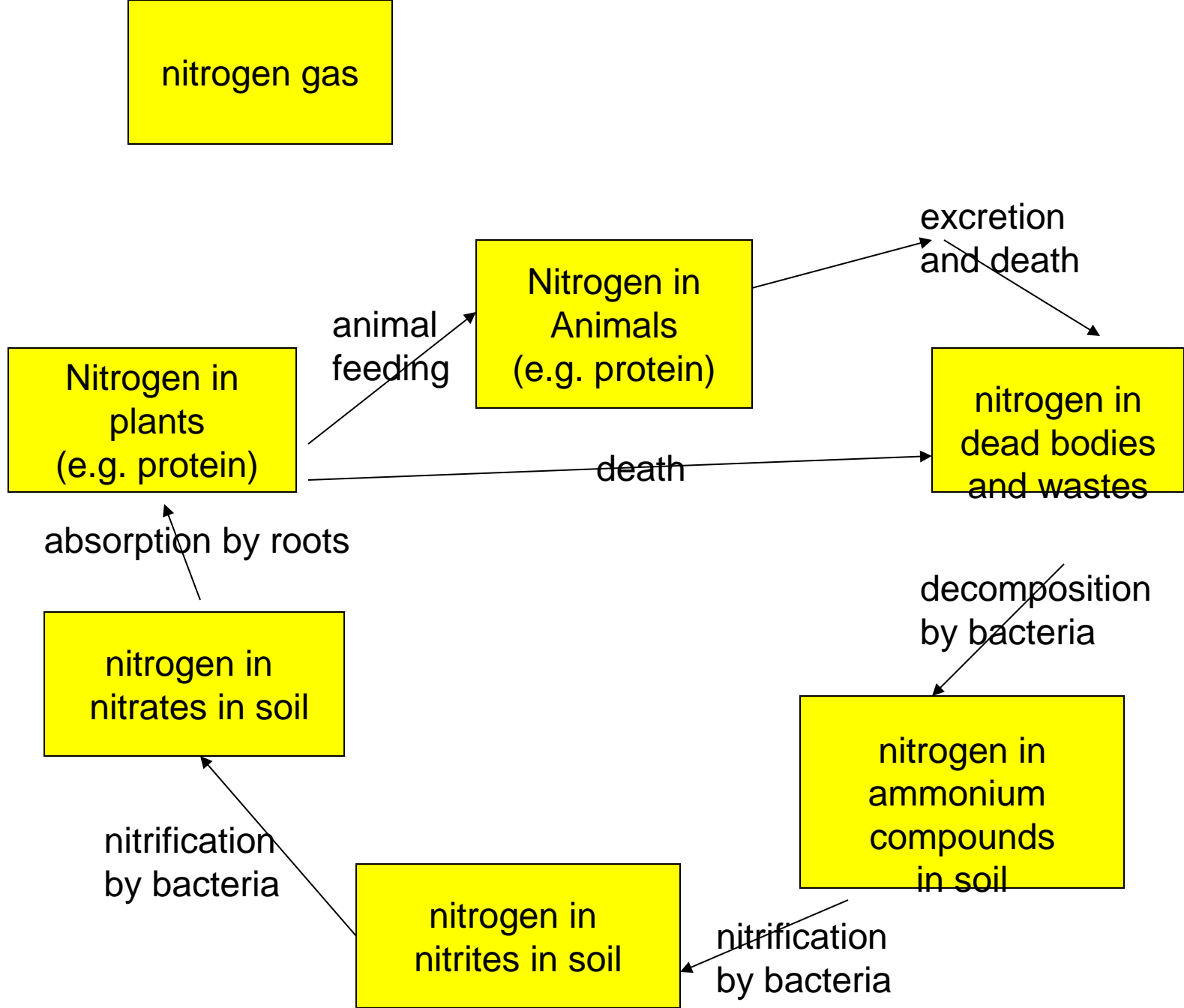


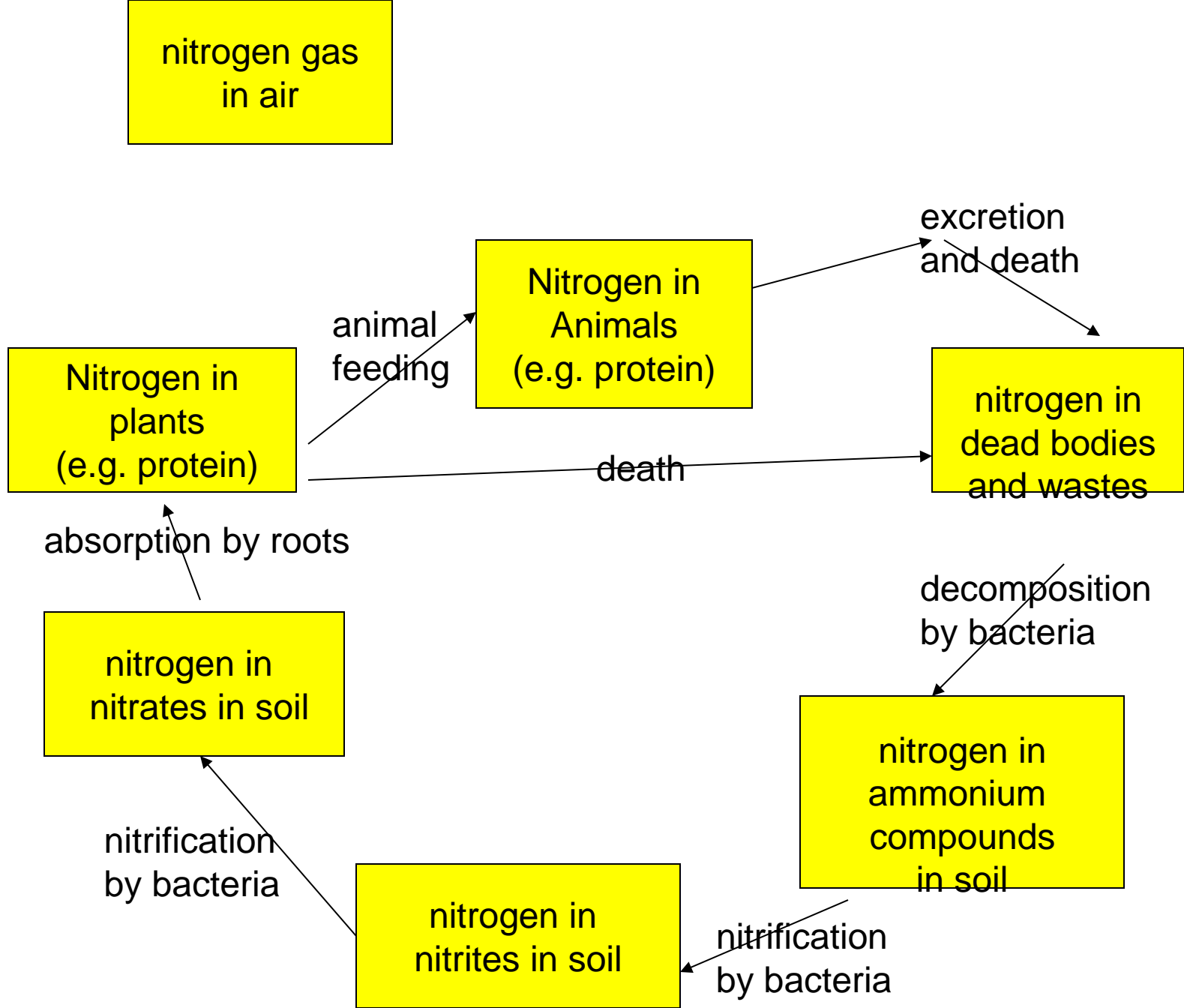


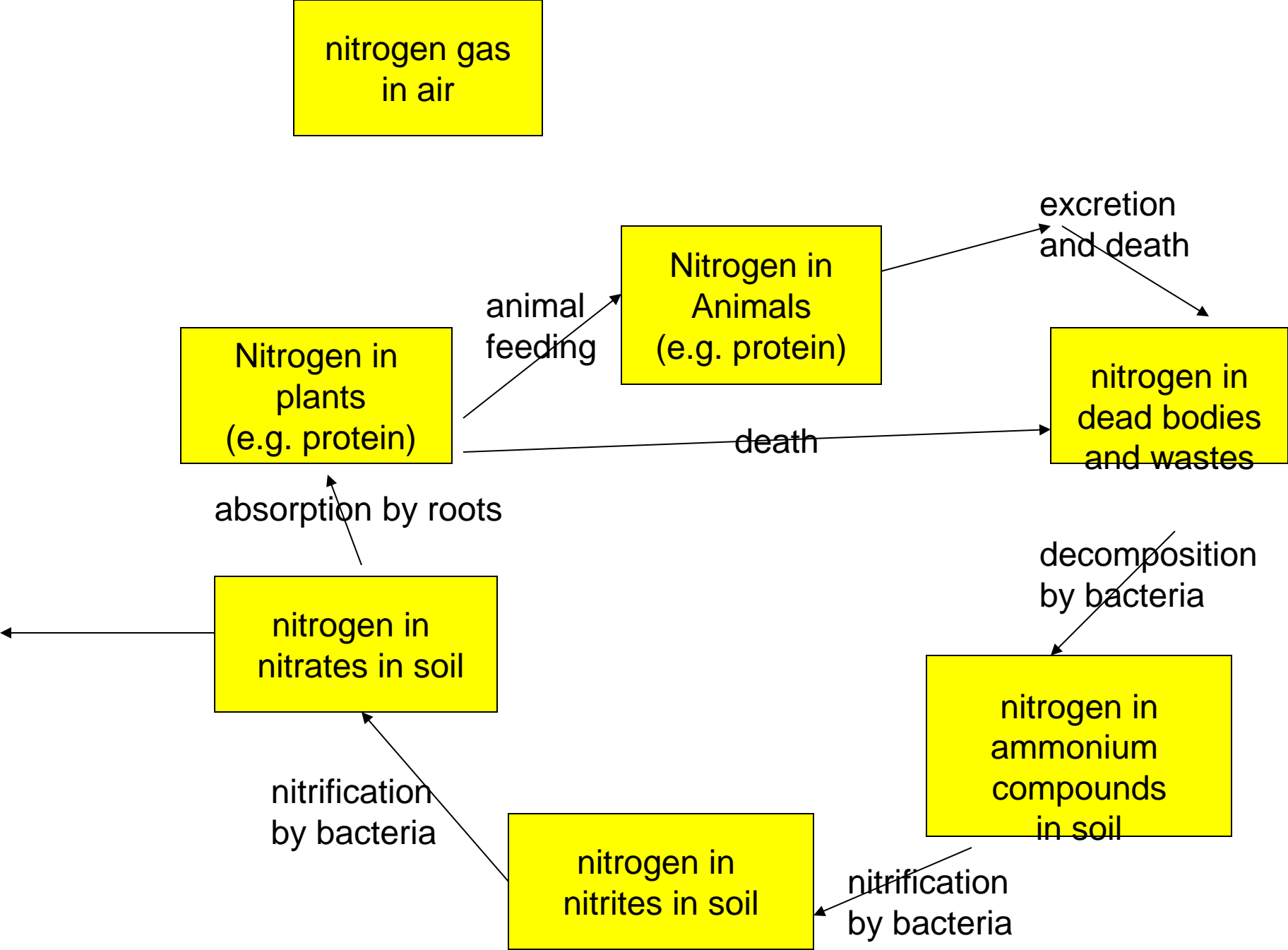


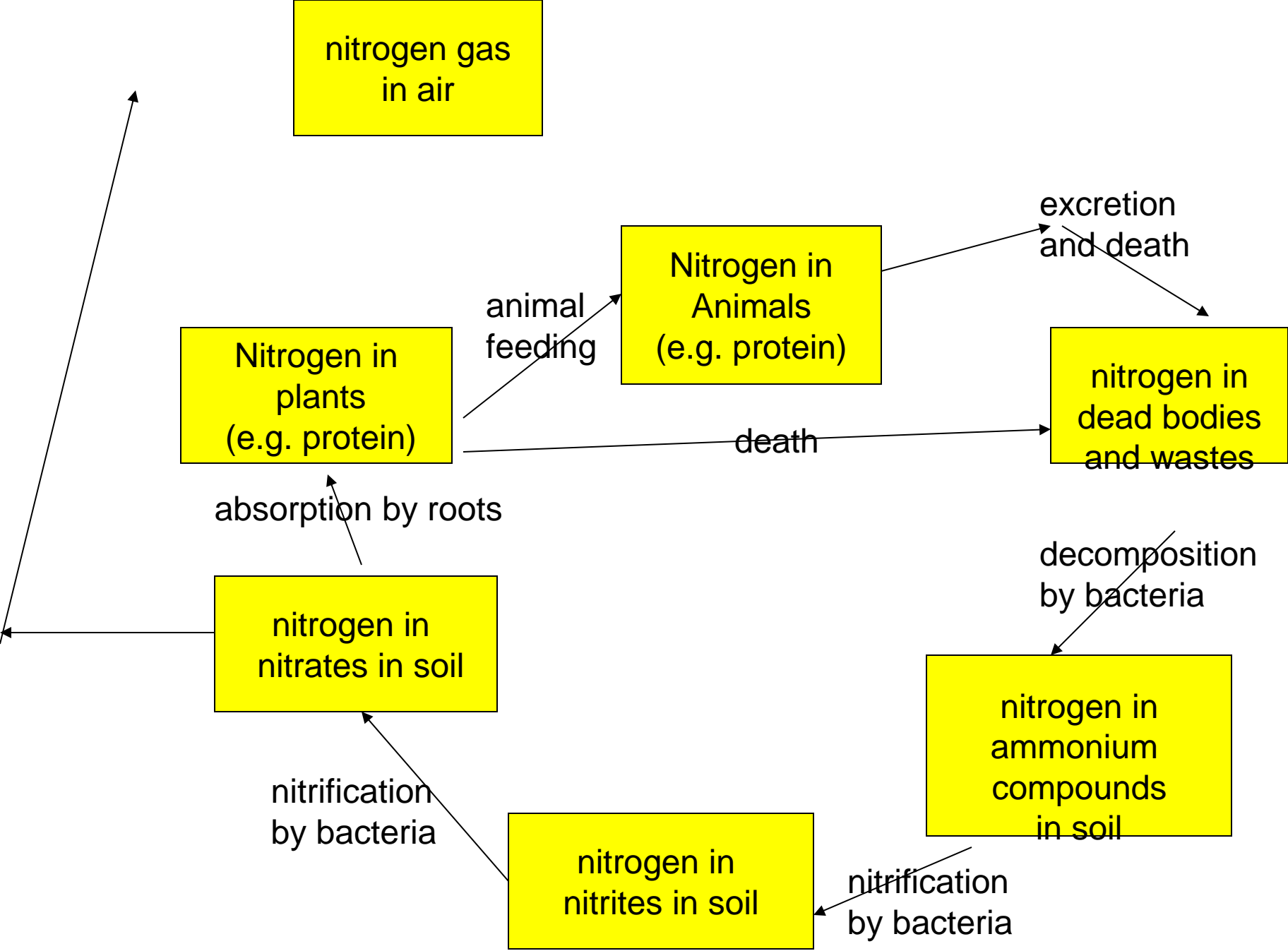




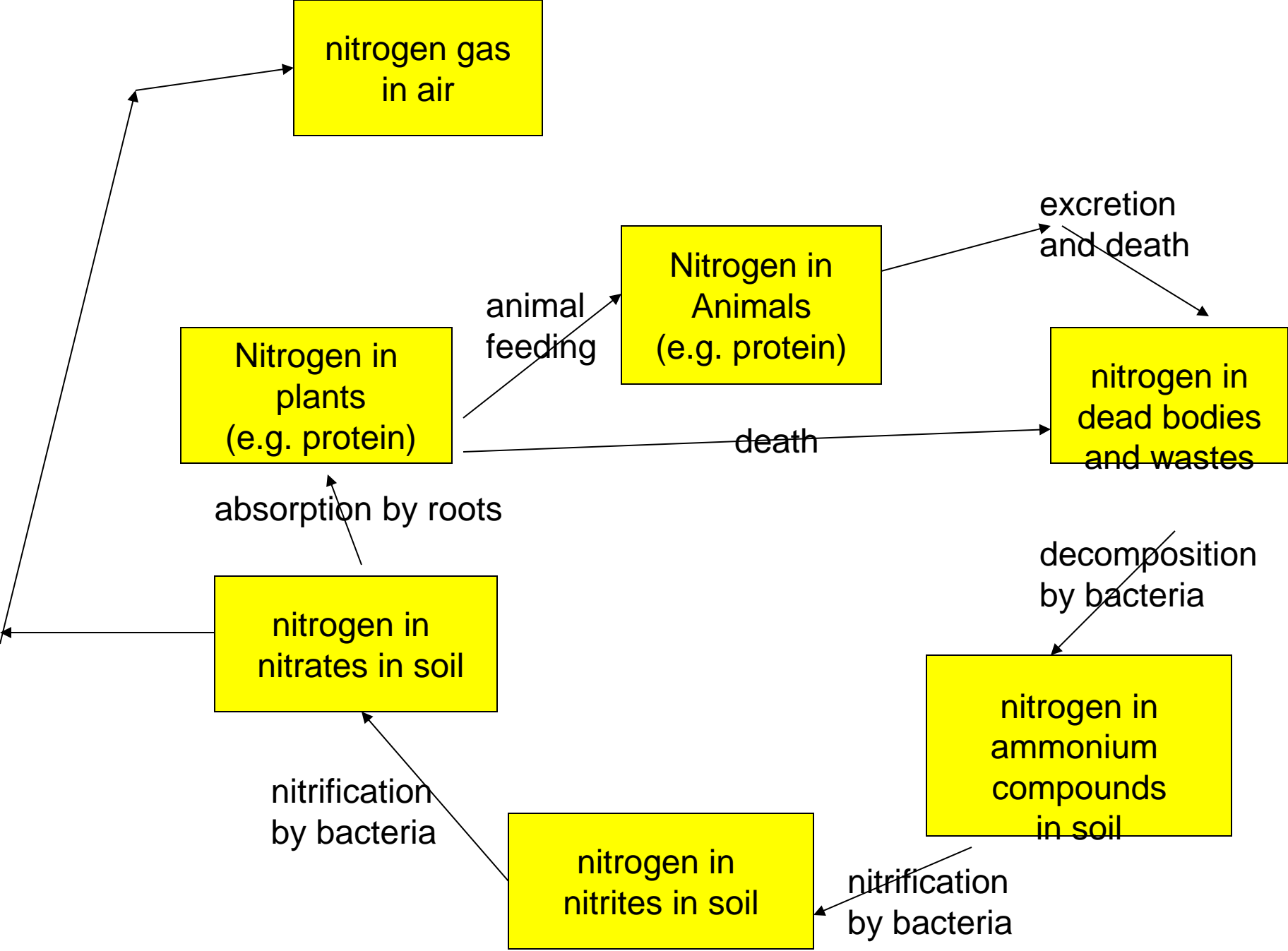


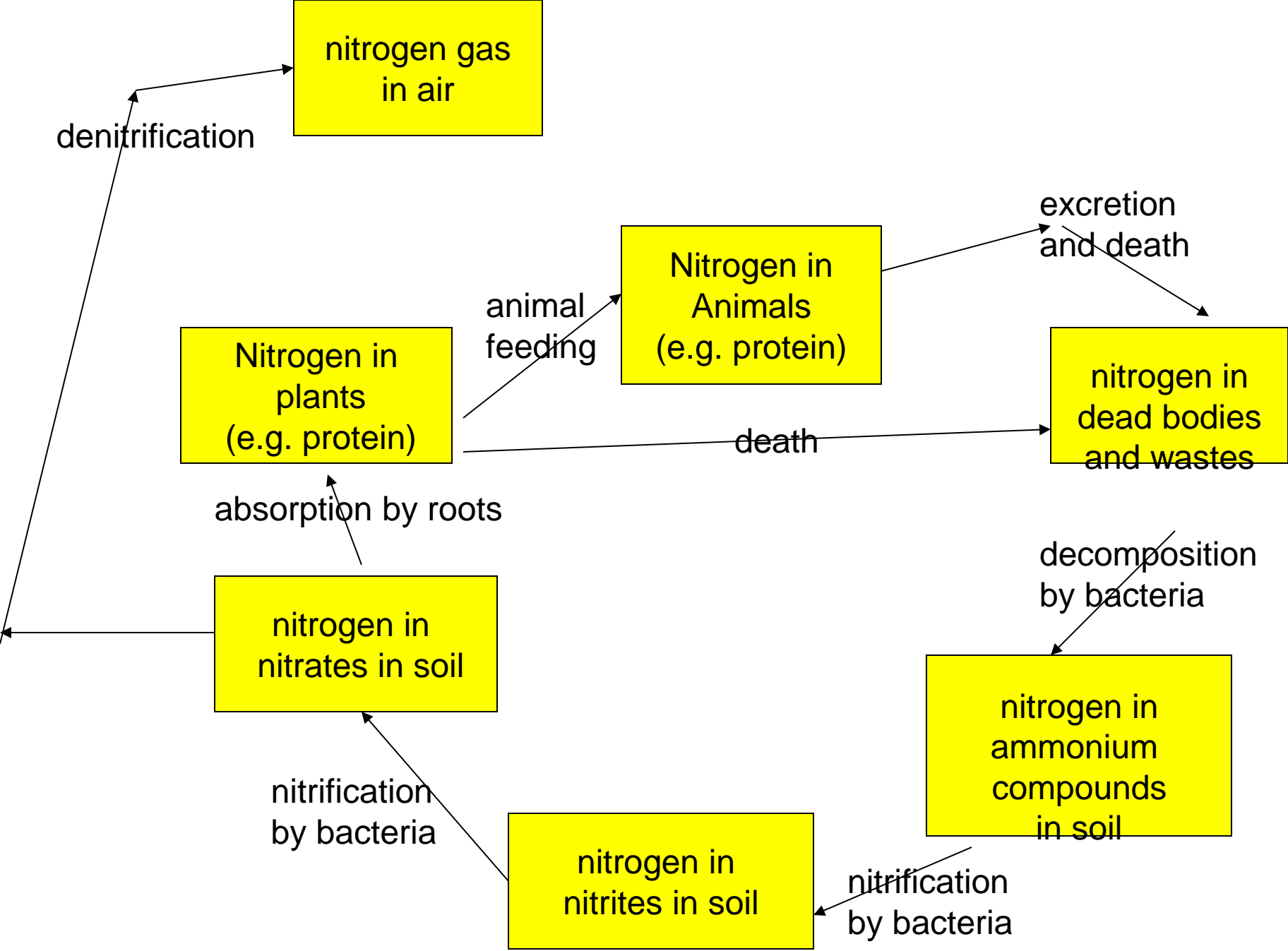


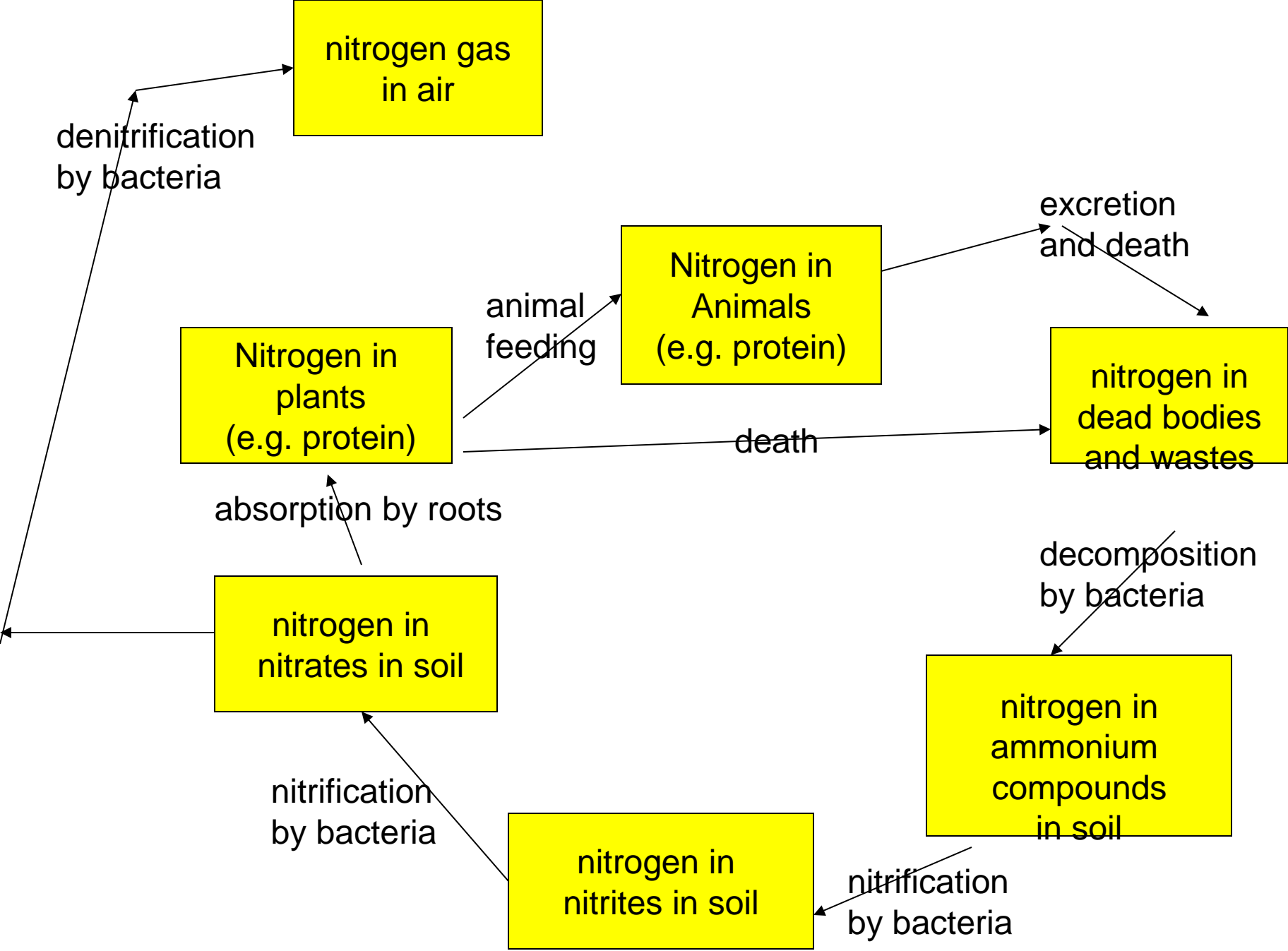


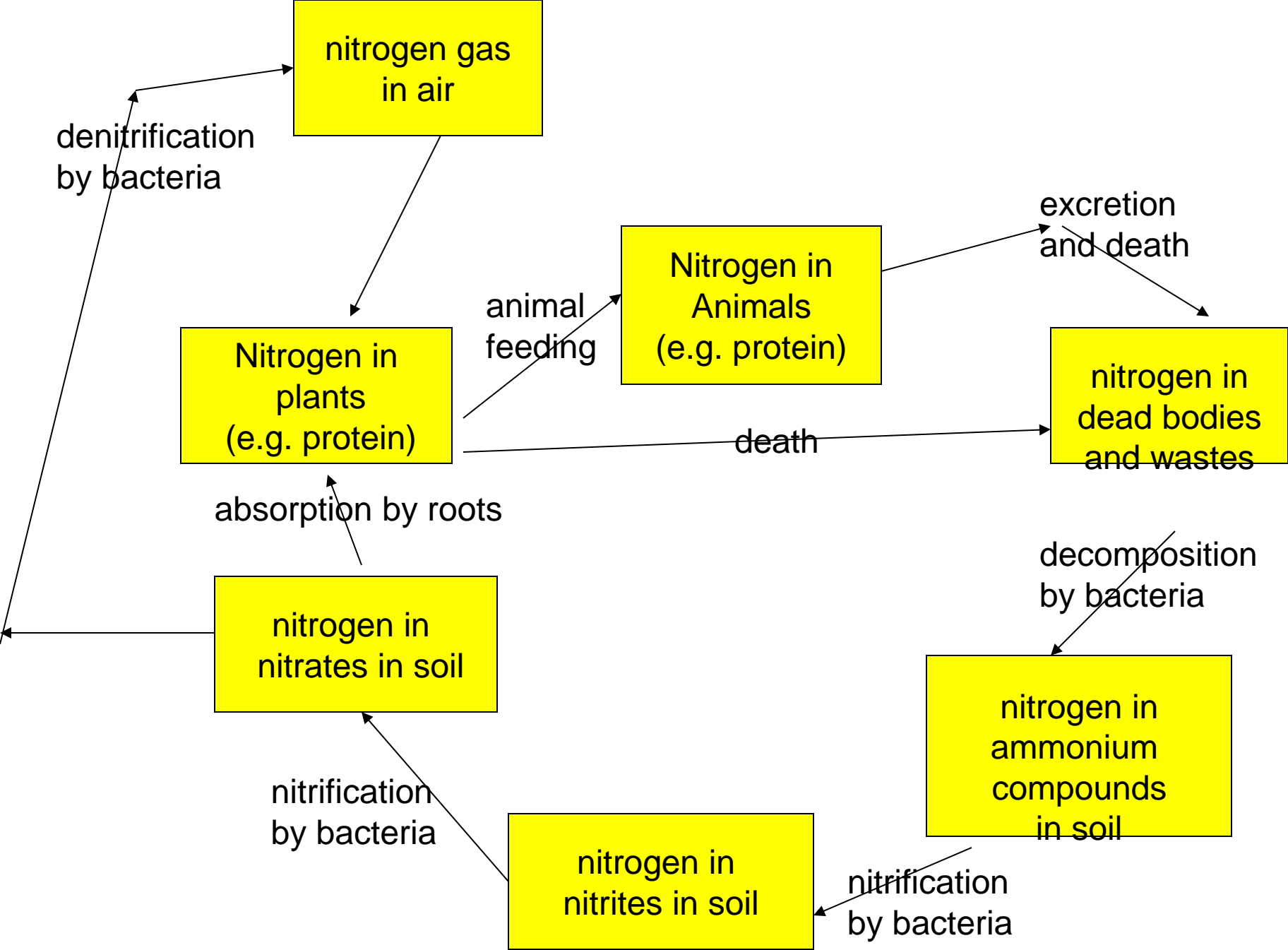


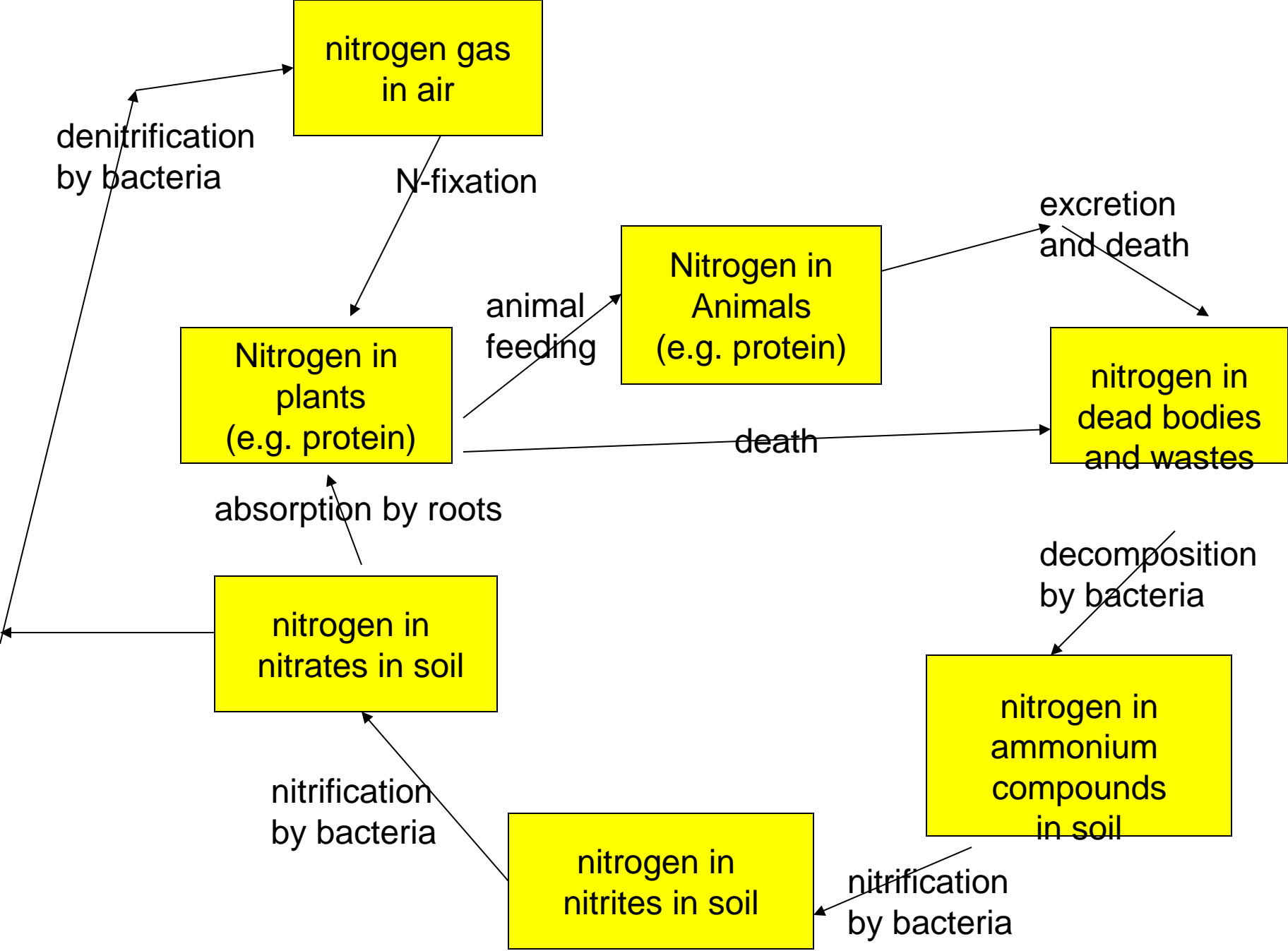


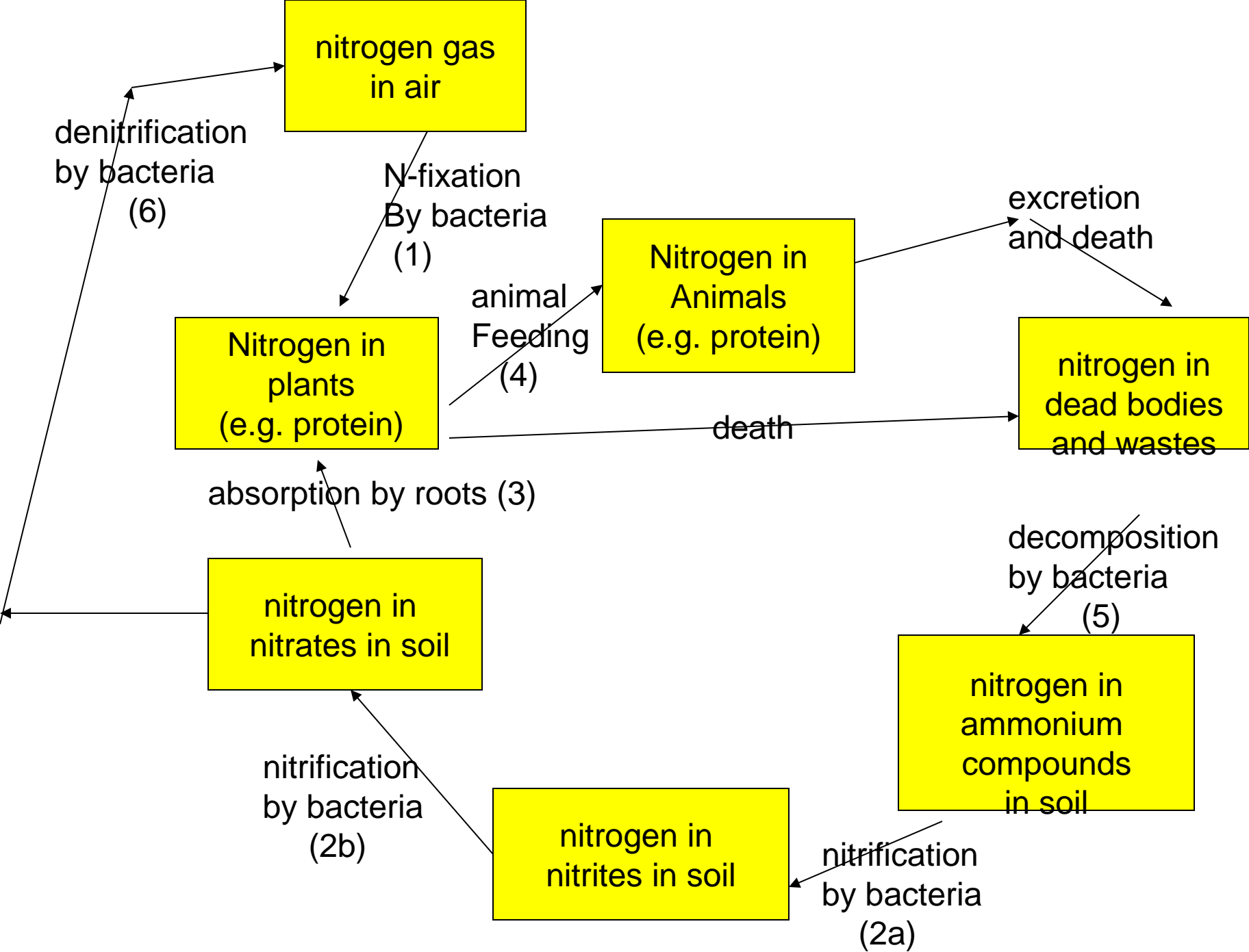




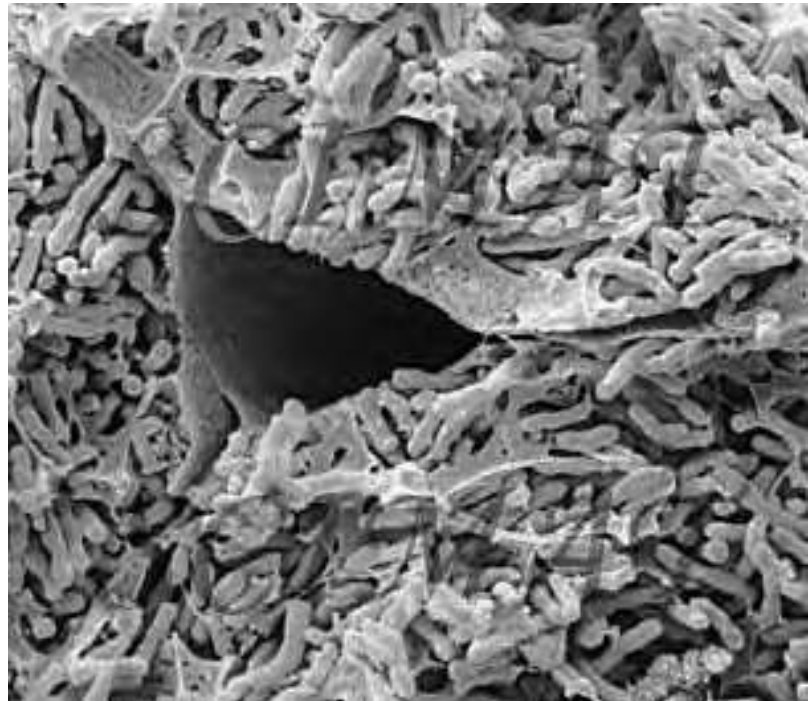


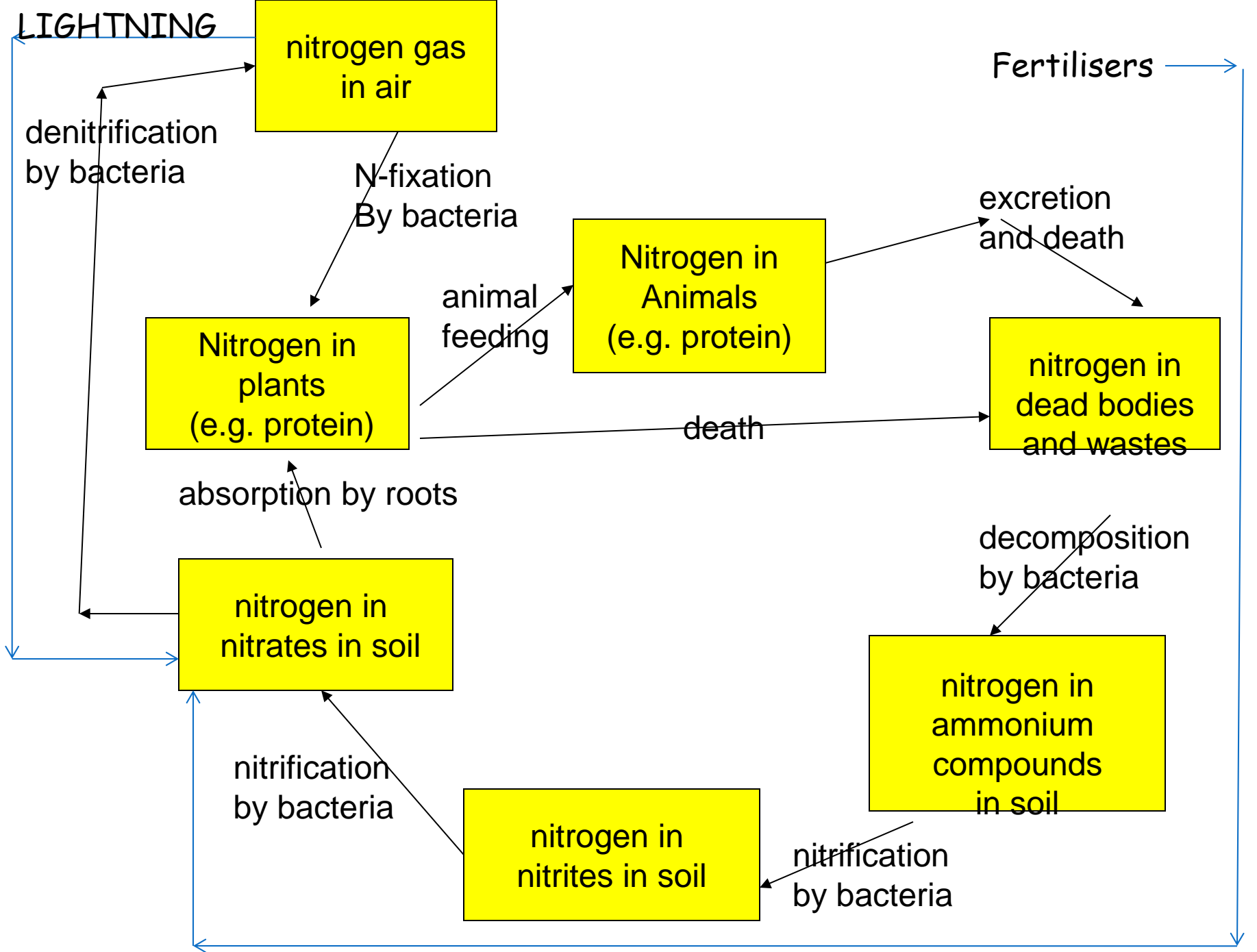






# Nitrogen Fixing Bacteria







# Activity 11

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- Pages 14 – 17 pupil booklet