

What does the plant need?

CONNECT

How can the plants products be used by the fish?



What does the plant produce?

How can the plants products be used by the plant?

*Is this a closed loop system?
Explain.....*

What does the plant need?

CO₂ for photosynthesis
H₂O for photosynthesis
Nitrates – protein (gets this from the fish waste and decomposition by microbes in the tank bed)
Minerals - growth

CONNECT



How can the plants products be used by the fish?

O₂ for respiration
Roots help to filter the water

What does the plant produce?

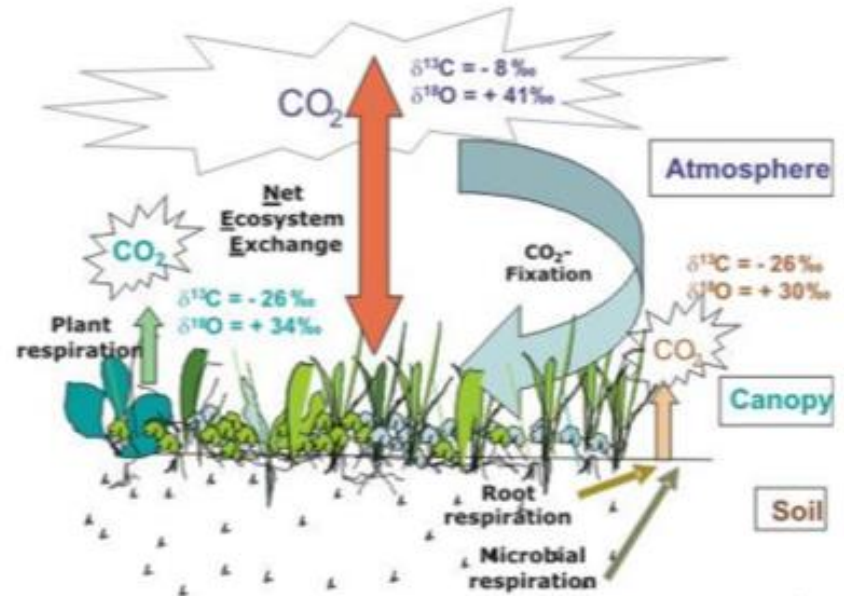
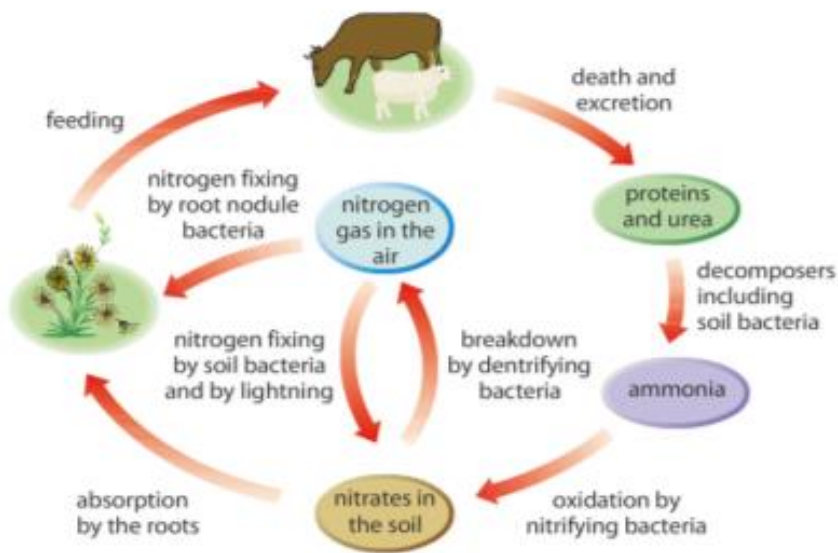
O₂ and Glucose by photosynthesis

How can the plants products be used by the plant?

O₂ for respiration
Glucose for respiration

*Is this a closed loop system?
Explain.....*

Not entirely, the fish have to be provided with food



Linear systems... what can we learn from natural ecosystems?

