

Nutrient cycles

Which process removes carbon dioxide from the air?

Nutrient cycles

Which processes return carbon dioxide to the air?

Nutrient cycles

How are fossil fuels formed?

Nutrient cycles

How does carbon pass from plants to animals?

Nutrient cycles **Supplement**

What form of nitrogen do plants absorb?

Nutrient cycles **Supplement**

What is nitrification?

Nutrient cycles **Supplement**

What is nitrogen fixation?

Nutrient cycles **Supplement**

What is denitrification?

Respiration, decomposition (decomposers respire) and combustion.

Photosynthesis, by plants and algae.

By feeding. Carbon compounds in plant tissues are eaten by animals.

From dead organisms that were buried and not fully decomposed, over millions of years.

Nitrifying bacteria change ammonium ions into nitrate ions.

Nitrate ions from the soil, absorbed through the roots.

Denitrifying bacteria change nitrates in the soil into nitrogen gas.

Nitrogen gas is changed into nitrogen compounds, by lightning and by nitrogen-fixing bacteria.

What is deamination?

What do decomposers produce from dead protein?

Ammonium ions, which are released into the soil.

The removal of the nitrogen-containing part of amino acids to form urea, in the liver.