

Phosphorus: How is it stored and transported?

Phosphorus is the second most abundant element in the earth's crust. It is found in many rocks, but only a small amount is available to plants. The most common source of phosphorus is phosphate rock. This rock is mined and processed into phosphate fertilizers. These fertilizers are used to increase the phosphorus content of the soil, which is then taken up by plants.

Phosphorus is stored in the soil as phosphate ions (PO_4^{3-}). These ions are taken up by plants through their roots. The phosphorus is then used for energy storage and for the synthesis of nucleic acids and phospholipids.

Phosphorus is also stored in the soil as organic phosphorus. This phosphorus is taken up by plants through their roots and is used for energy storage and for the synthesis of nucleic acids and phospholipids.

How is phosphorus stored in the soil?



(Involvement of water in the transport of phosphate ions)

or



1. What is phosphorus?

2. How is phosphorus stored in the soil?

3. How is phosphorus transported in the soil?

It is _____ by _____.

4. How is phosphorus used by plants?
