

**Phosphorus: How is it stored and transported?**

Phosphorus is the second most abundant element in the earth's crust, after oxygen. It is found in many different forms, but the most common is as phosphate. Phosphate is a key nutrient for plants and animals, and it is essential for the production of energy. Phosphate is also a key component of DNA and RNA, and it is involved in many other biological processes.

Phosphate is stored in the soil as phosphate ions ( $PO_4^{3-}$ ). These ions are taken up by plants and animals. In the soil, phosphate is stored in a form called phosphate. This form is the most common phosphate species in the soil. The phosphate ions are taken up by plants and animals.

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How is phosphate stored in the soil?



Involvement of water in the transport of phosphate ions

phosphate



1. What is phosphate?

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2. How is phosphate stored in the soil?

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3. How is phosphate transported in the soil?

It is \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

4. What is the most common phosphate species in the soil?

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