

# PHOSPHORUS

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### STRONG ROOTS, FLOWERS & SEEDS

**DYK:** Phosphorus (P) is a really important nutrient during the early growth stages of a plant to ensure a quick and healthy start (gets the plants out of bed)! Phosphorus grows deep and strong roots. It is a good helper - helping the plant with respiration, water use and storing and moving energy. It supports plant maturity, flowering and seed production!



### what if there is not enough P!?!?

Without Phosphorus, plants don't grow as tall, their old leaves turn purple, and plants don't make seeds (their flowers don't bloom, and they don't make fruit)!



### where do plants get P from?!?

**DYK** - Phosphorus is a nutrient found in nature?? Phosphate is mined from ore deposits that are rich in fossilized sea remains, just like this shark's tooth! Phosphate is mined from the ground and converted into a form that plants can digest. Who would have thought that apples, which are high in phosphate, are actually grown from "recycled fish"? Check out the super cool P mining video to learn more!

### neat facts about P...

- 90% of the world's mined phosphate rock is used in agriculture and food production, mostly as fertilizer!
- The phosphate rock reserves are located in just 5 countries: Morocco, China, South Africa, Jordan and the United States!



### REALLY GREAT RESOURCES:



P READER.



P VIDEO.



P GAME.



P CYCLE.



NUTRIENTS FOR THE MIND