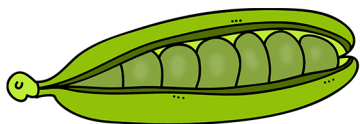


TWO TRUTHS & A LIE: SEEDS



A seed has three main parts: the seed coat, the embryo, and the cotyledon.

The seed coat protects the embryo inside the seed from drying out and getting damaged.

The embryo is the food storage part of the seed and the seed coat is the baby plant.

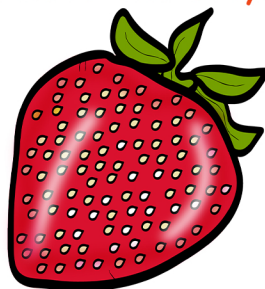
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TWO TRUTHS & A LIE: SEEDS

Bean seeds are dicots — they have two cotyledons inside.

Corn seeds are monocots — they have only one cotyledon inside.

Monocots have two cotyledons and dicots have one cotyledon.



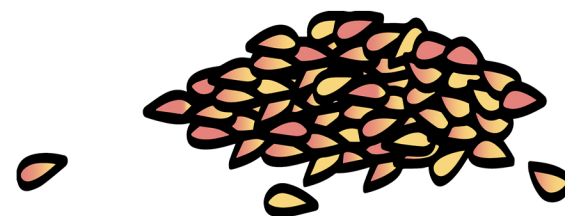
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TWO TRUTHS & A LIE: SEEDS

Seeds can travel by wind, water, animals, and gravity.

Seeds can only travel a short distance from the parent plant.

Dandelion seeds travel by wind because they have feathery, lightweight structures that float through the air.



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TWO TRUTHS & A LIE: SEEDS

Squirrels help disperse seeds when they bury acorns and forget where they hid them.

Animals that eat fruit always digest the seeds so completely they never grow into new plants.



Burrs are seeds with tiny hooks that cling to animal fur or clothing to travel to new places.

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TWO TRUTHS & A LIE: SEEDS

Seeds need sunlight to germinate, just like grown plants do.

Seeds need water, warmth, and oxygen to germinate — not sunlight.

Germination is the process of a seed sprouting and beginning to grow.



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TWO TRUTHS & A LIE: SEEDS

Some seeds can stay dormant for hundreds of years before sprouting.

The smallest seeds in the world come from oak trees and are about the size of a marble.

The world's largest seed, the Coco de Mer, can weigh up to 55 pounds.



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