

Are You Stronger Than a Dandelion's Roots?

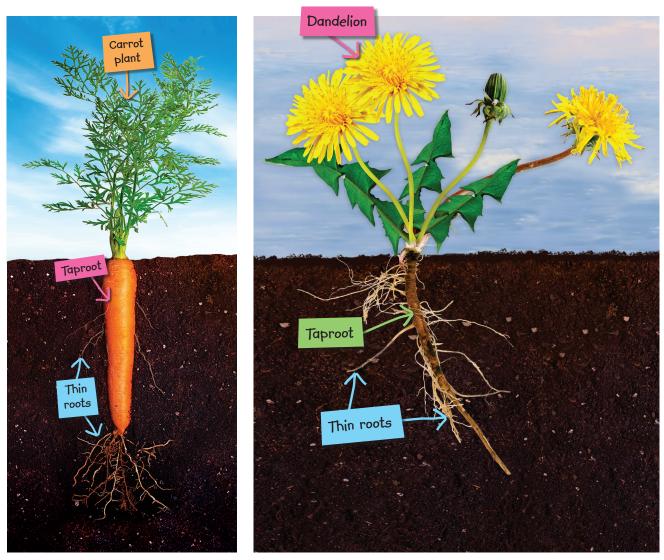
A plant's roots grow down into the soil.

They take in water and nutrients from the soil.

A plant's roots also hold it steady in the soil.

They stop it falling over when the wind blows or if its leaves or flowers become too heavy.

Some plants, such as dandelions and carrot plants, have one long main root called a taproot.



Thinner roots grow from the taproot.

How strong do you think a plant's roots can be? Let's investigate!

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Gather your equipment:

- Find a large dandelion plant in your garden.
 Ask an adult if you can pull up the plant.
- **2.** Take hold of the plant's leaves, stems and flowers and pull as hard as you can!

Did you manage to pull the dandelion's long taproot from the ground? Describe what happened.

3. Next try digging up the root with a small spade.

Did you manage to dig up the whole taproot? Describe what happened.

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Why do you think a da a long root?	Indelion needs such	
•••••		
Look at the root throug Describe what you see		
	•	
Draw a dandelion and	its root.	
	Soil	
	Add labels to your picture	
	Flower Stem Leaf Roots	

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Dandelion Seeds



As winter turns to spring, yellow dandelion flowers appear. This is very helpful for bees and other insects. The flowers produce nectar and pollen at a time of year when there is not much food around for insects.

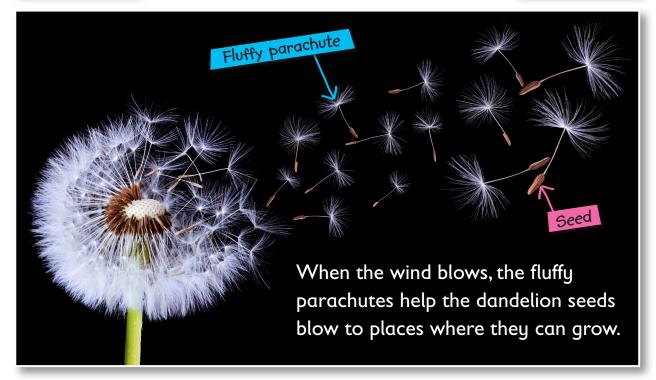


Inside the flower the seeds are forming. After about a week, the yellow petals start to shrivel.



Each tiny seed has a fluffy parachute attached to it. The seeds form a fluffy ball.





4. How many seeds were in the seedhead? How close was your estimate? dandelions can easily spread in a garden, park or playground. weeds because they take water and nutrients away from other plants. Each dandelion flower can weed plants don't need much water or many nutrients in order to survive. Gardeners may not like dandelions are weeds. What does this mean? A weed is a tough plant that can grow quickly. Often

How will you count the seeds? Can you think of a system for counting so that you don't lose count? Here is a place to record your workings.

2. Carefully observe the seedhead. How many seeds do you estimate are in the fluffy ball? Record your estimated answer.

3. Now gently pull the seeds from the seedhead and count them.

You can use your fingers or tweezers.

- Try not to shake or bang it because the seeds will start to fly away.

Gather your equipment:

- 1. Find a fluffy dandelion seedhead and gently cut it from the plant.
- **How Many Seeds Does a Dandelion Flower Produce?**

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