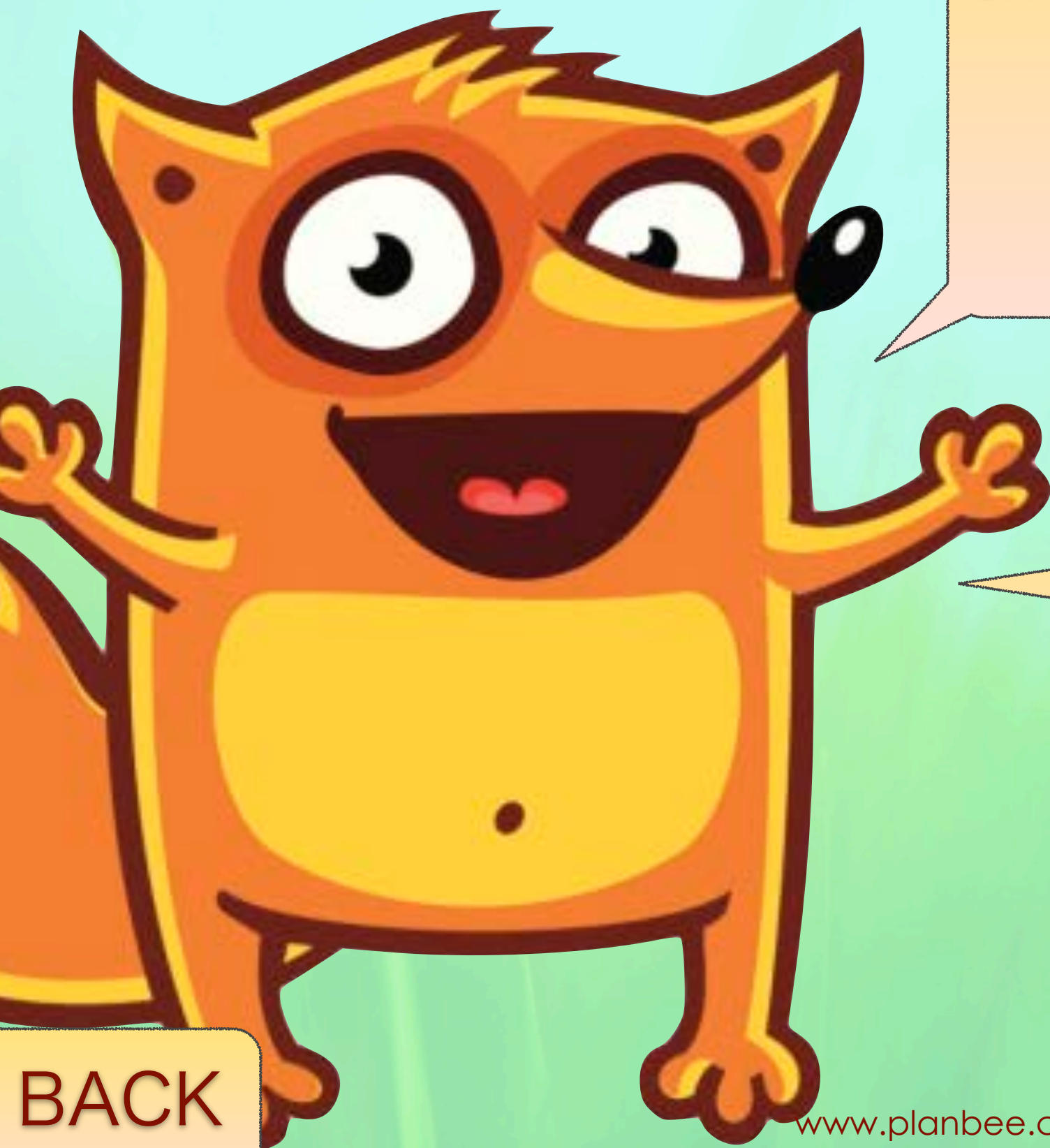


How Plants Grow

Learning Objective:

To identify and describe the functions of the roots of flowering plants.



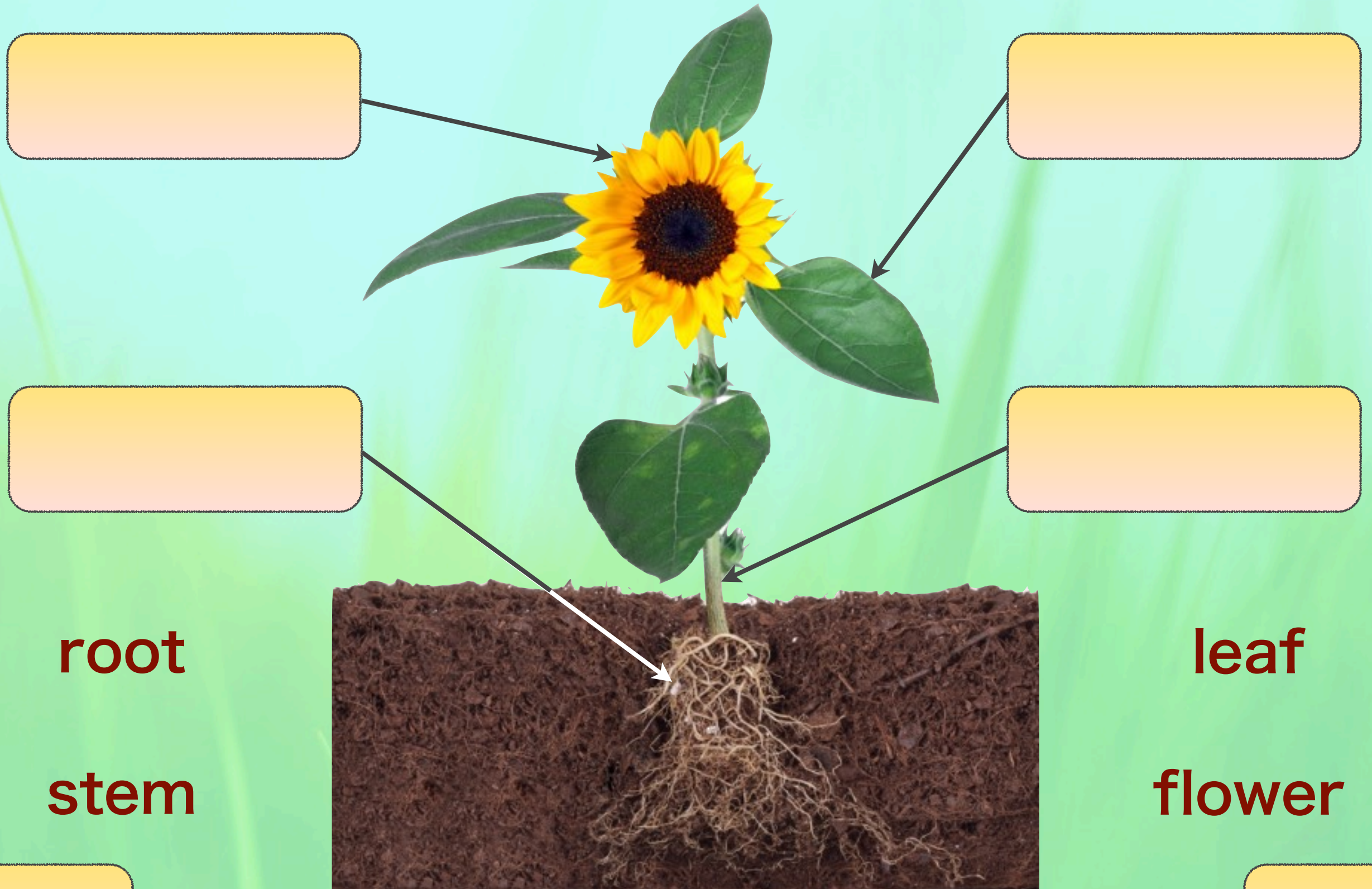
How many
different parts of a
plant can you
name?

Do you know
what each of
these parts
are for?

BACK

NEXT

Can you match the labels to the correct part of this plant? Write the correct words in the boxes:



root

stem

leaf

flower

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NEXT

Did you get it right?

flower

leaf

root

stem



BACK

NEXT

Do you know which part of a new plant grows first? Where does it grow from?

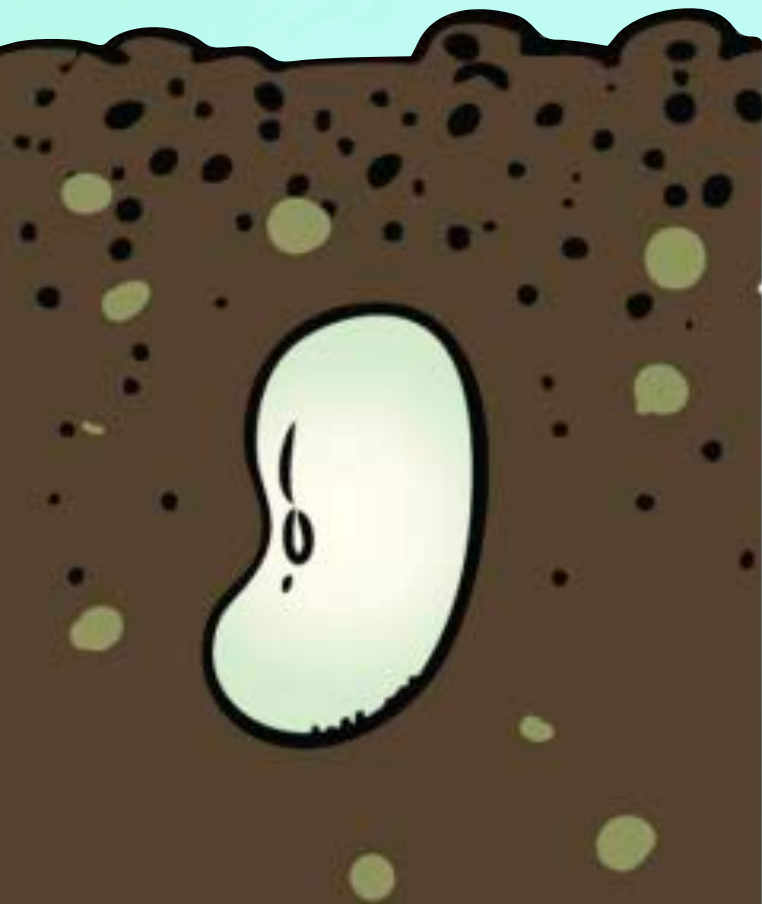


Discuss your ideas.

BACK

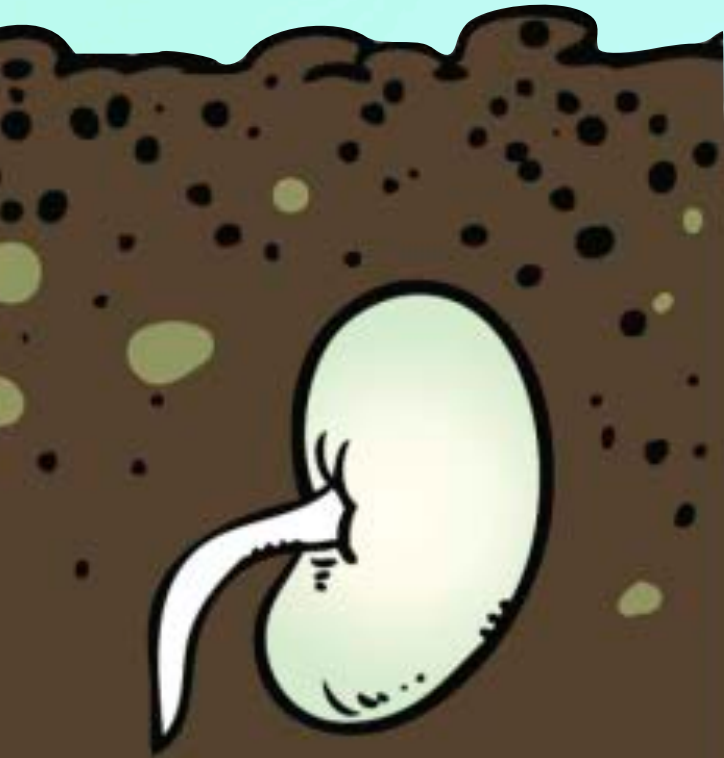
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New plants grow from seeds.
The root is the first part of the
plant to grow from the seed.

The seed absorbs moisture
from the soil and starts to
expand. The seed coat softens
and a young root starts to
grow inside the seed.



After a few days, the seed coat splits and a young root grows into the soil. The young plant is surviving and growing using a supply of food inside the seed.

Do you know
what the roots of a
plant do?



Discuss your ideas.

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NEXT

Look at these statements about the roots of plants. Which do you agree with?

Not all plants have roots. They are not necessary and do not do anything.

Roots hold the plant in place.

Plants get everything they need to grow through their roots.

Plants absorb water and minerals through their roots.

Only two of those statements were correct! Did you agree with them?

Not all plants have roots. They are not necessary and do not do anything.



Roots hold the plant in place.



Plants get everything they need to grow through their roots.

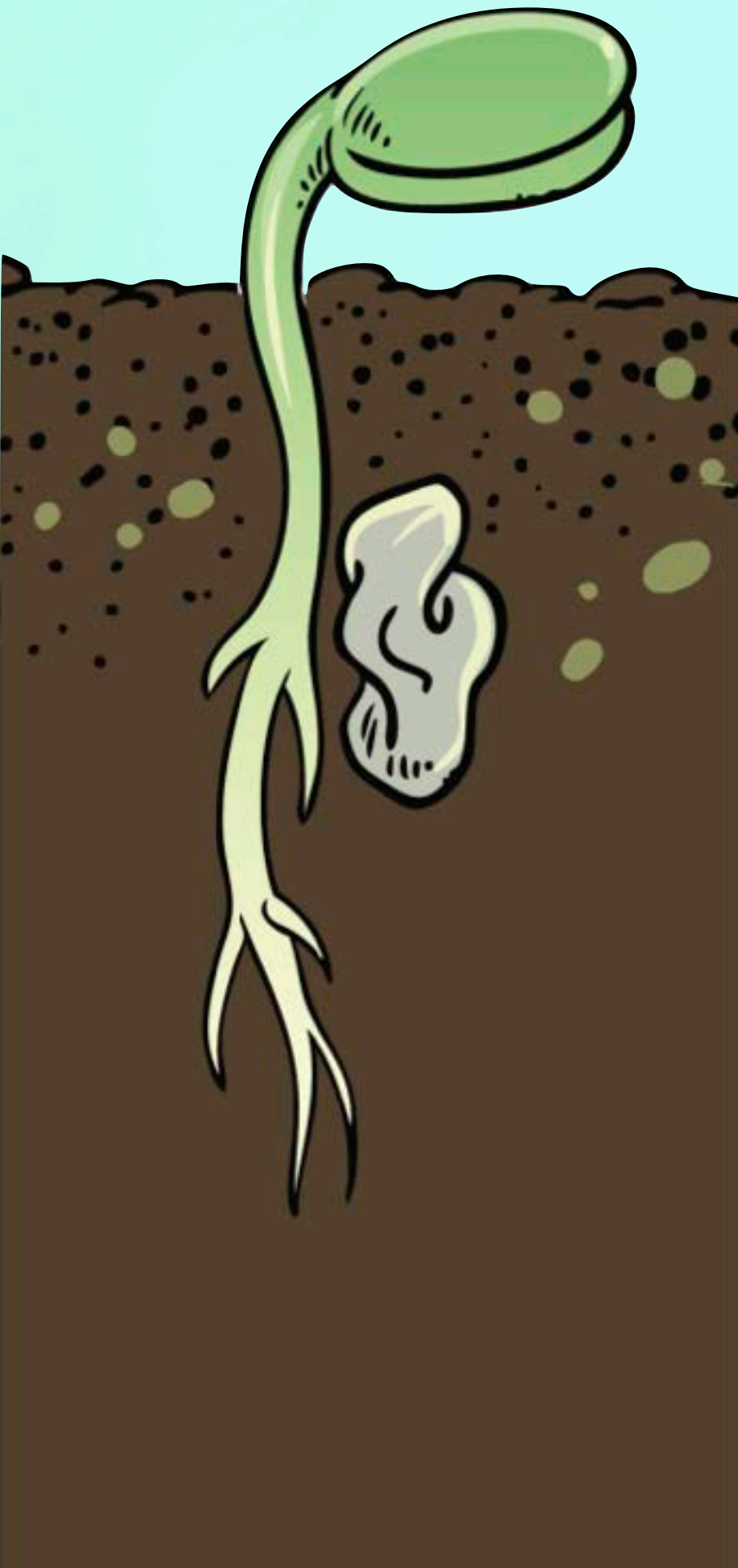


Plants absorb water and minerals through their roots.





The young root starts to grow out into the soil, forming new strands. They start to absorb water and minerals. Inside the seed, a young shoot is growing...



The roots continue to grow into the soil. The food source inside the seed is used up.

A shoot grows out of the seed and up through the surface of the soil. The empty seed coat is no longer needed to protect the plant.



The shoot and the root continue to grow. Water and minerals absorbed by the roots help the plant stand upright and make food.

The roots also anchor the plant, helping it to stay upright and in place.

Today we will be
investigating how roots
grow!



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