

My Knowledge Journal



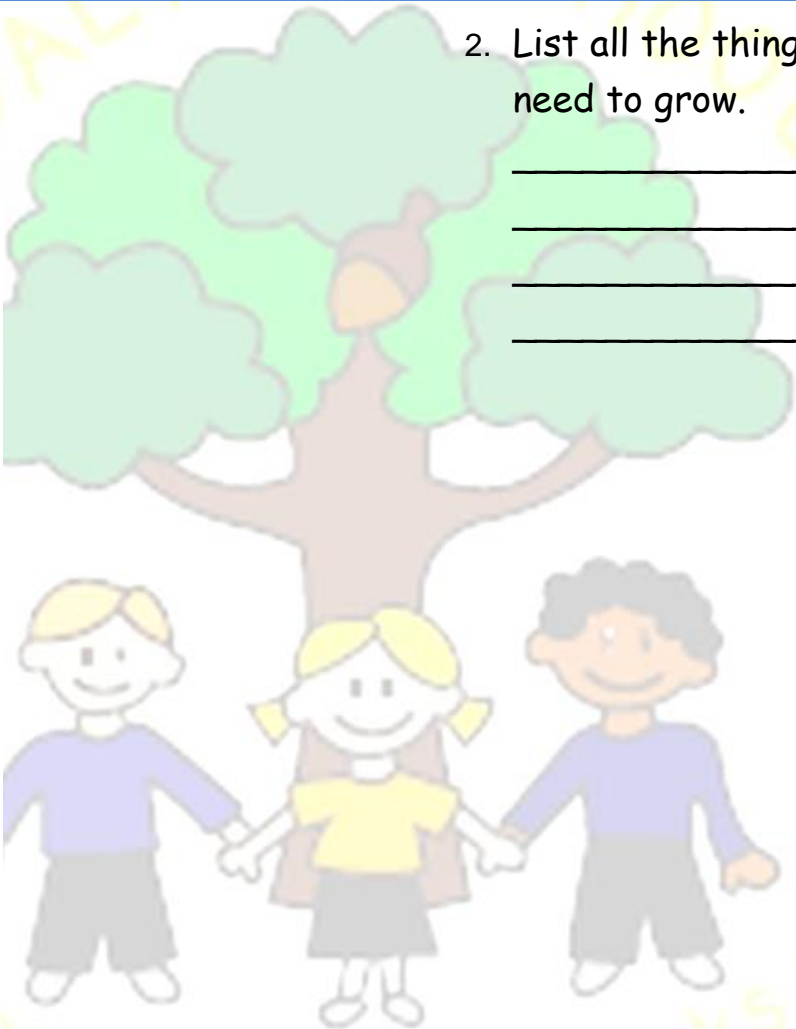
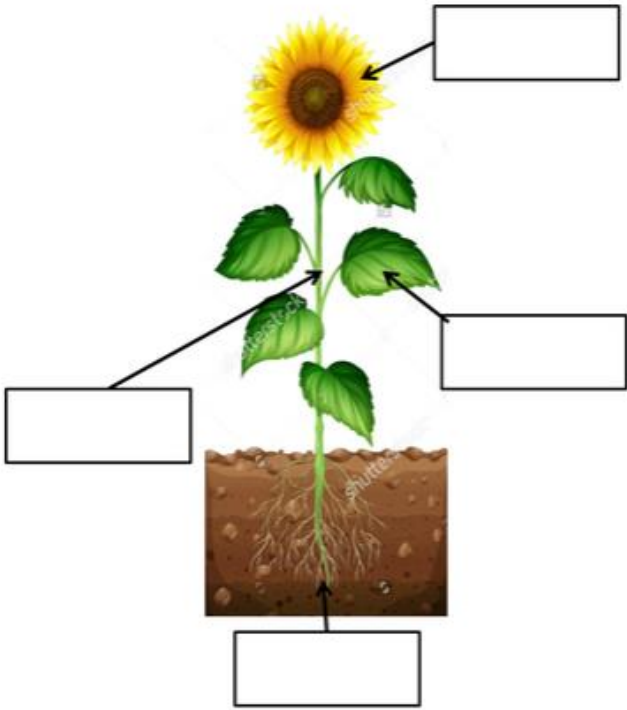
Plants

Name: _____

Pre Knowledge Quiz

1. Label the parts of the plant.

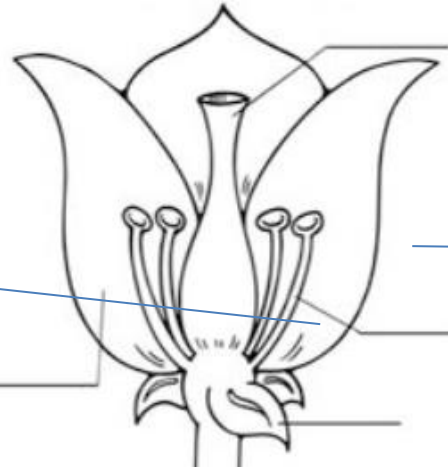
2. List all the things you can think of that plants need to grow.



3. What will happen to the celery?



3. Explain why this will happen.



Use the words to label the flower.

Petal stamen
sepal pollen
filament ovary

4.

My Knowledge Organiser

What should I have observed already?

Seeds and bulbs growing into mature plants.

That plants need water, light and a suitable temperature to grow.

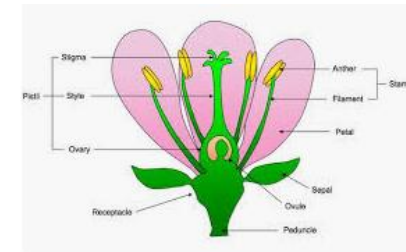
Key Vocabulary

plants	A large group of living things that use sunlight to make their own food. Most plants have leaves, stems, roots and either flowers or cones.
leaves	One of the usually flat green parts that grow from a plant stem and that functions mainly in making food by photosynthesis
roots	A root . is a part of a plant that is hidden underground. They hold the plant in the ground and keep it upright. They take water and food from the soil.
stem	The stem is the main part of the plant . It is strong enough to hold the weight of the leaves and flowers and carries the water and nutrients from the roots to the leaves, flowers and fruits.
nutrients	A substance that is needed for healthy growth and development.
transportation	A way of carrying things from one place to another.
dispersal	To spread or scatter.
pollination	The process that allows plants to reproduce.
photosynthesis	The process in which green plants use sunlight to make their own food.
oxygen	An invisible gas that humans need for life.
Carbon dioxide	An invisible gas. It is a waste product in our bodies and is also made by burning fossil fuels.



Parts of a plant

A plant is made up of many different parts. The three main parts are: the roots, the leaves, and the stem. Each part has a set of jobs to do to keep the plant healthy. The roots absorb water and minerals from the soil and anchor the plant in the ground. The stem supports the plant above ground, and carries the water and minerals to the leaves. The leaves collect energy from the Sun and make food for the plant, using an amazing process called photosynthesis.



Parts of a flower

Flowers come in many different shapes, sizes, and colours. However, most have a similar basic structure. Most flowers have male parts, called stamens, and female parts, called carpels. The stamens produce fine, dust-like grains, called pollen, and the carpels produce ovules. The male and female parts are surrounded by the petals of the flower. In many flowers, it is the job of the petals to attract insects, so that pollen can be transferred to other flowers. This process is called pollination. The pollen then joins together with, or fertilizes, the ovules, and produces new seeds.

What do plants need to grow?

Plants need five things in order to grow: sunlight, proper temperature, moisture, **air**, and nutrients, which come from the soil.

How does water travel through a plant?



Plants have tubes in their stems for transporting water. These are called xylem. The celery has been placed in water with food colouring and you can see the xylem clearly.

My Previous Knowledge...

My Knowledge Builder

New knowledge ...

Lesson
1

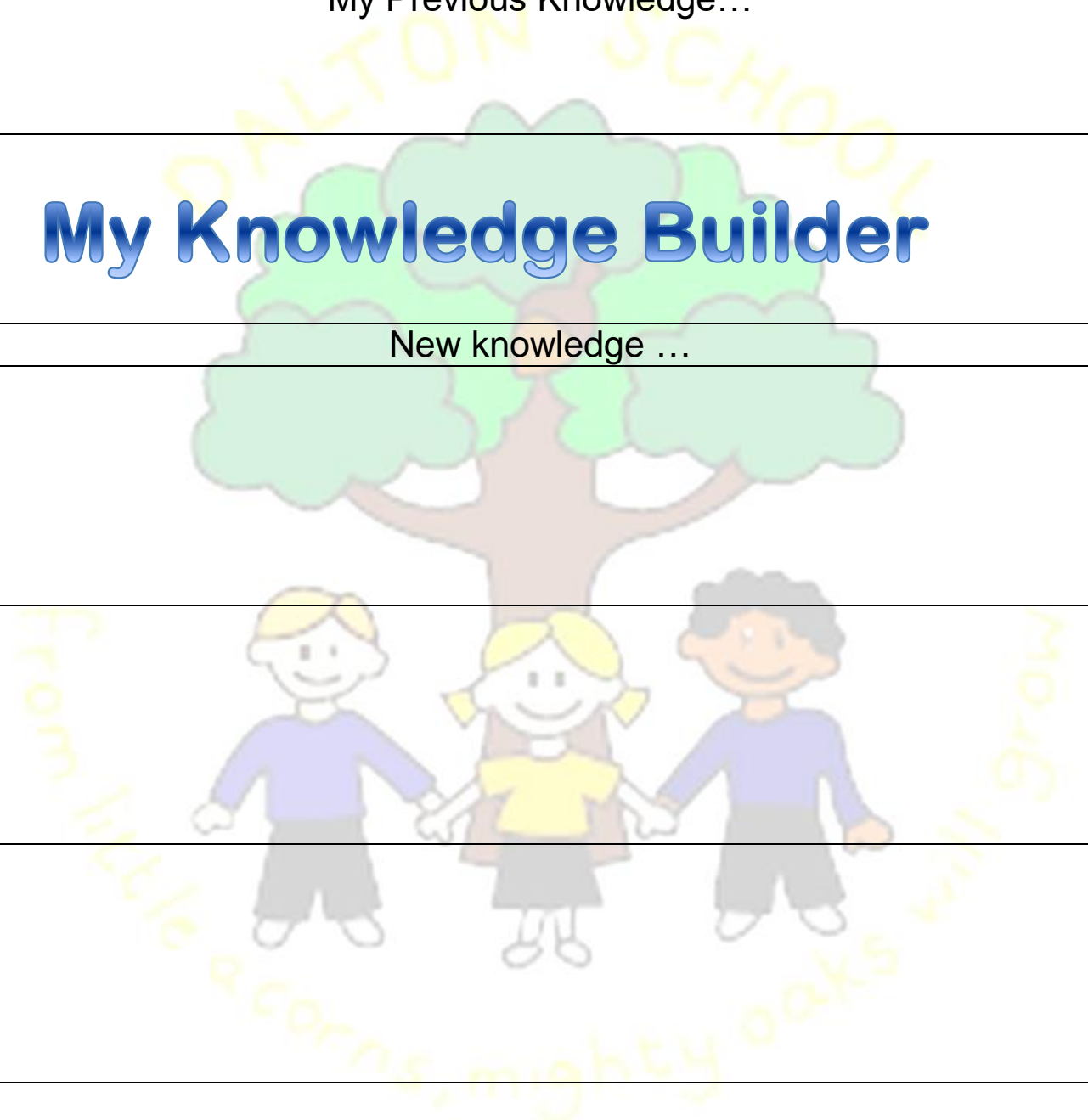
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Lesson
2

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Lesson
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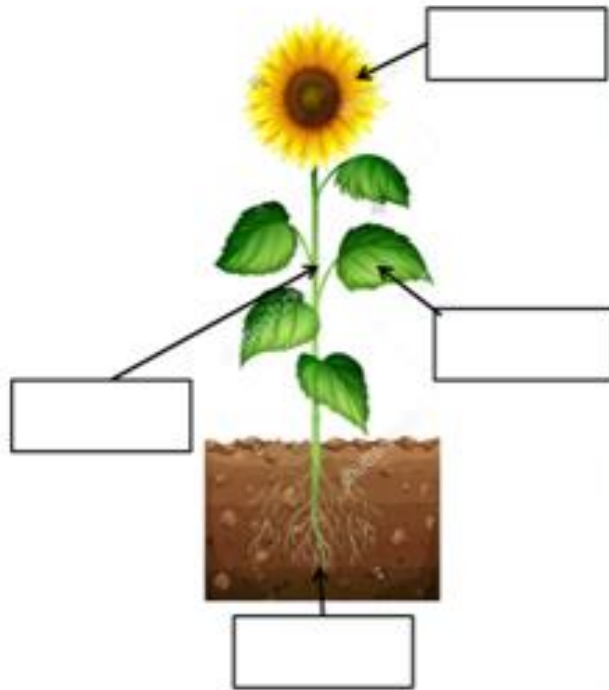
DALTON SCHOOL



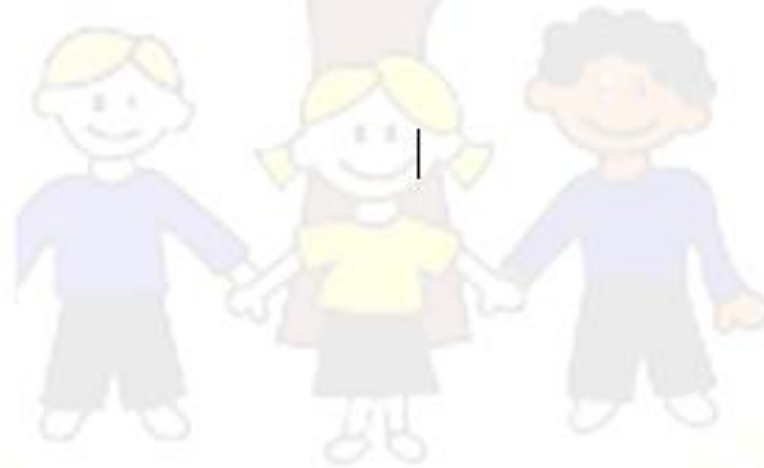
From little acorns, mighty oaks will grow

Post Knowledge Quiz

1. Label the parts of the plant.



2. List all the things you can think of that plants need to grow.

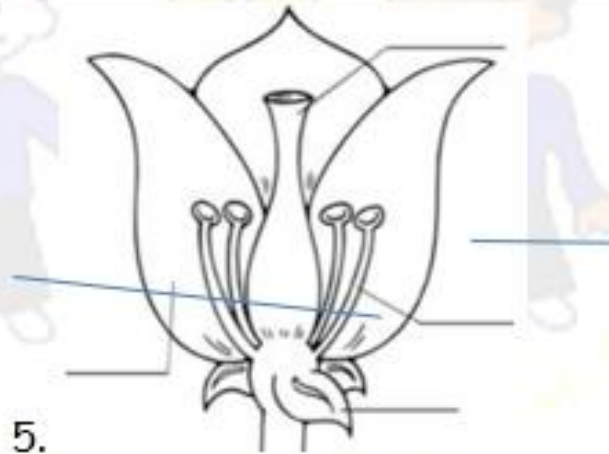


3. What will happen to the celery?



4. Explain why this will happen.

5.



Use the words to label the flower.

Petal stamen
sepal pollen
filament ovary