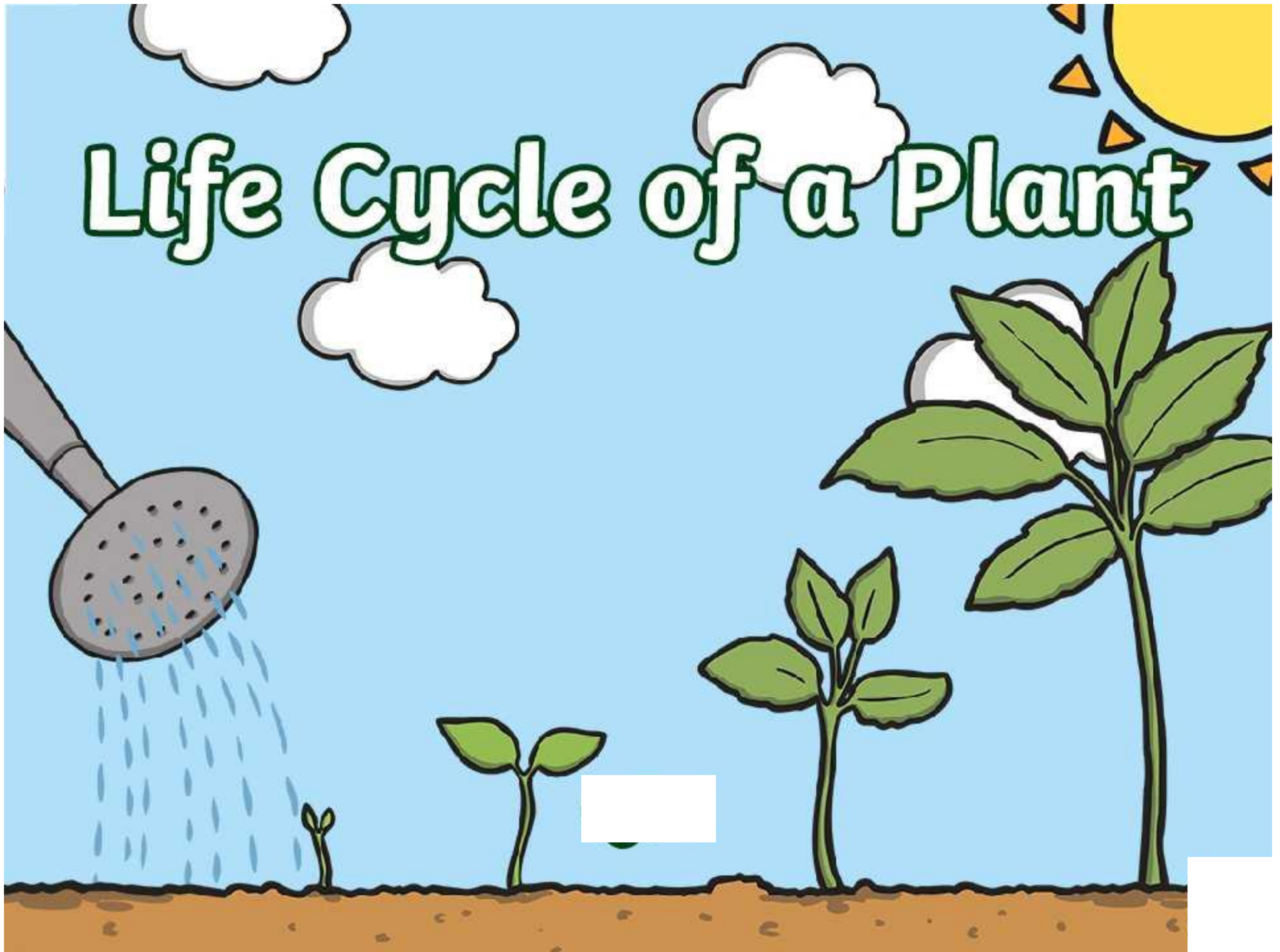


# Life Cycle of a Plant



# From a Seed to a Plant



The first step in the life cycle of a plant is the seed needs to be planted in the soil.  
The seed can be planted in a pot inside or in the ground outside.

# From a Seed to a Plant

A plant needs three things to grow:

water

A magnifying glass with a blue border focuses on a watering can with a grey handle and a grey body, tilted to pour blue water droplets. The background of the magnifying glass shows a light blue sky with white clouds.

sunlight

A magnifying glass with a yellow border focuses on a bright yellow sun with a black outline and several small orange triangles around it representing rays. The background of the magnifying glass shows a light blue sky with white clouds.

soil

A magnifying glass with a brown border focuses on a grey pot being filled with brown soil from a grey shovel. The background of the magnifying glass shows a light blue sky with white clouds.

# From a Seed to a Plant

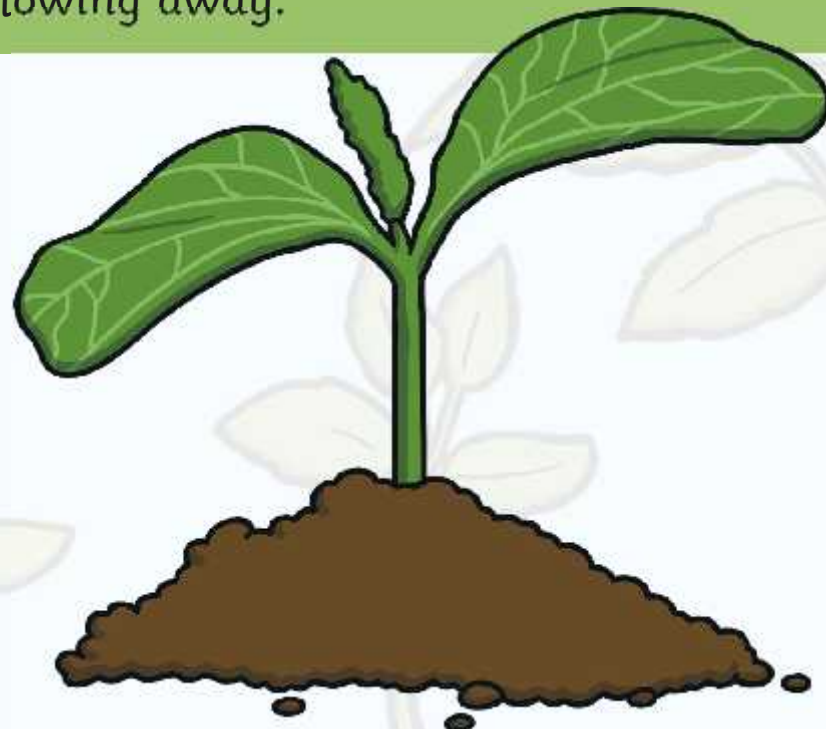
Once the seed is planted in the soil and watered, it will take about one to two weeks before it starts to grow. This is called the germination stage.

Once the seed germinates, it will start to sprout and roots appear. The roots help the plant get food and water from the soil.



# From a Seed to a Plant

- In the next few weeks, the seed will begin to push through the soil.
- It is now a seedling.
- It is still very tiny during this stage and the roots will anchor it in the soil and keep it from blowing away.

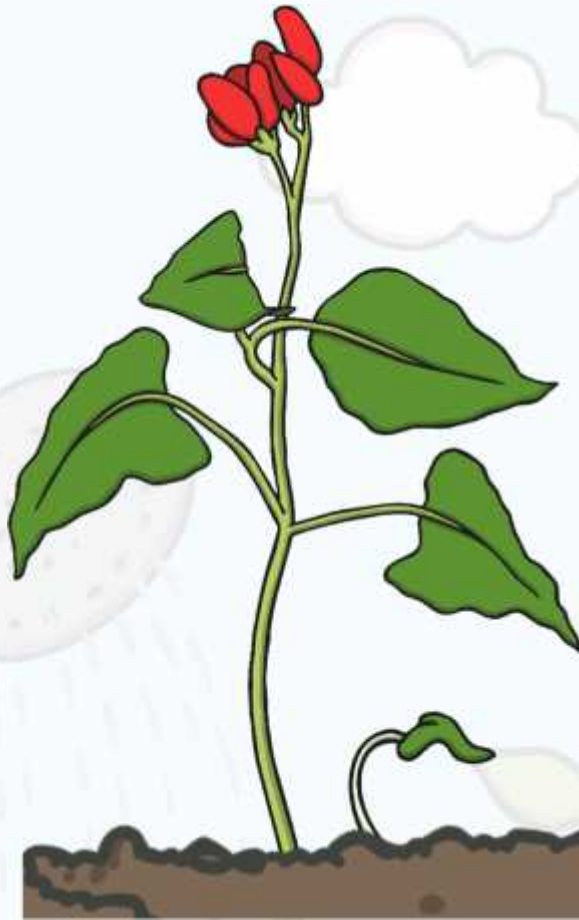


# From a Seed to a Plant

As the seedling continues to grow, it will begin to get leaves and the stem will grow longer and longer. The stem helps the plant stand upright. The stem also delivers water from the roots through tiny tubes. The leaves soak up the light and air to make food for the plant. This process is called **photosynthesis**.



# From a Seed to a Plant



A bud will begin to appear on the plant and it will turn into a flower. Depending on the type of seed planted, the flower may turn into either a fruit or vegetable or stay a flower.

# From a Seed to a Plant

Seeds are located in the center of the flower. Once the plant stops growing, it will drop seeds onto the ground.

Some seeds are spread by the wind or by animals. These seeds will begin to grow in the soil and the life cycle of the plant will repeat.





# Higher Order Thinking Questions

1. What do you think would happen if a plant did not have sunlight or water?
2. Why does a plant need roots?
3. What do the leaves of a plant do?
4. How does a plant grow new plants?
5. If you could plant a garden, what kind of seeds would you plant?



