

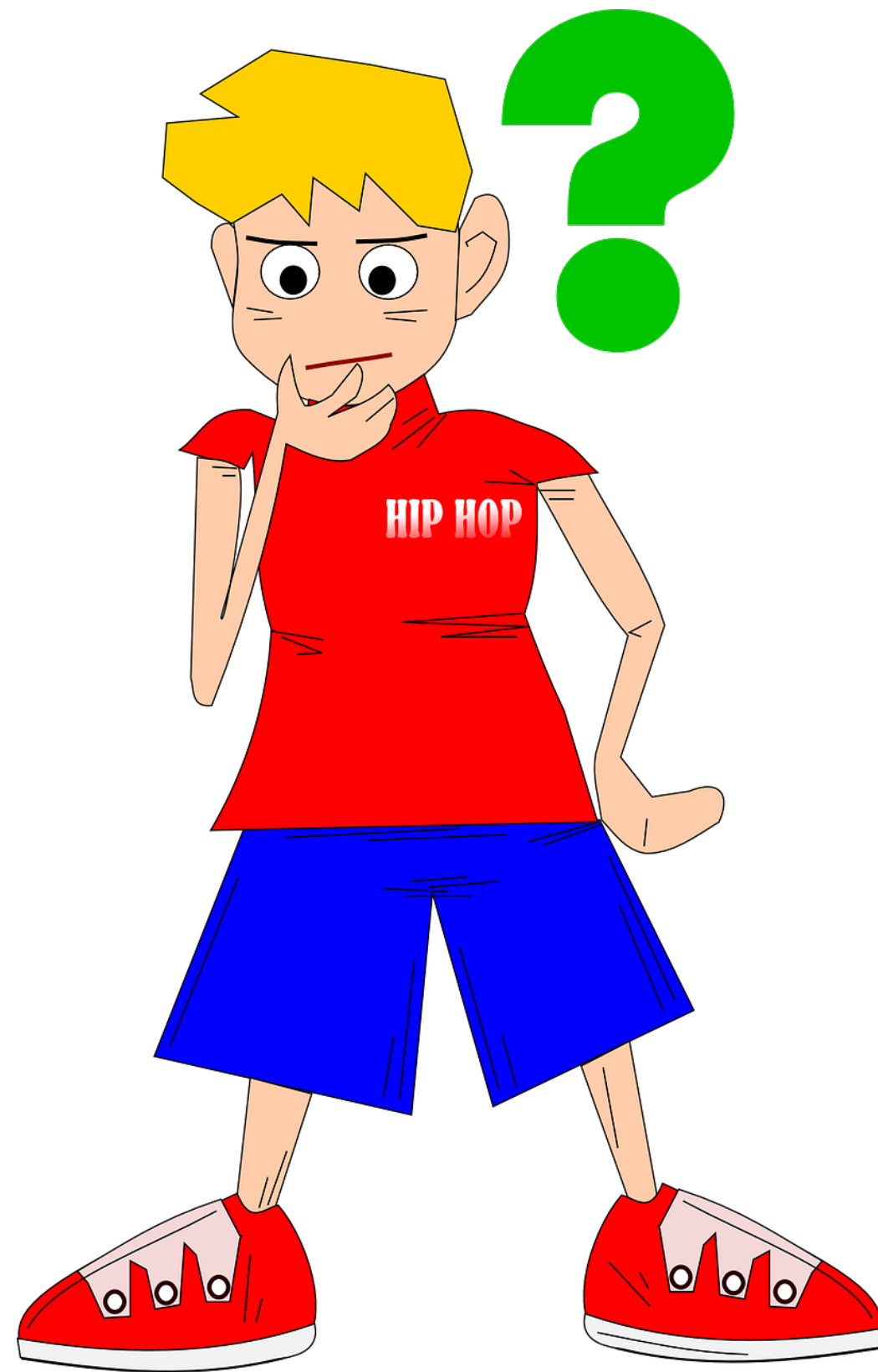
# Photosynthesis

प्रकाश संश्लेषण

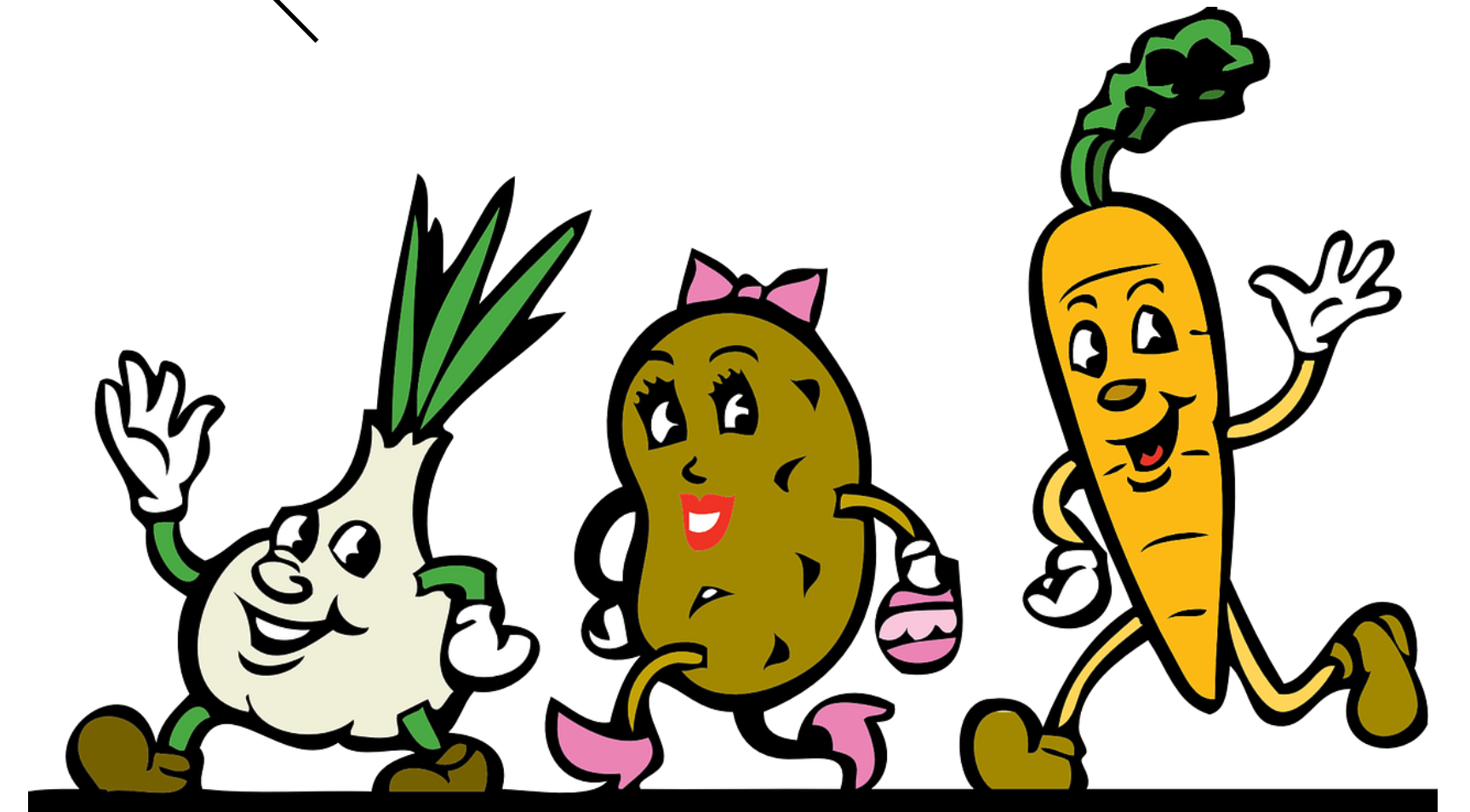
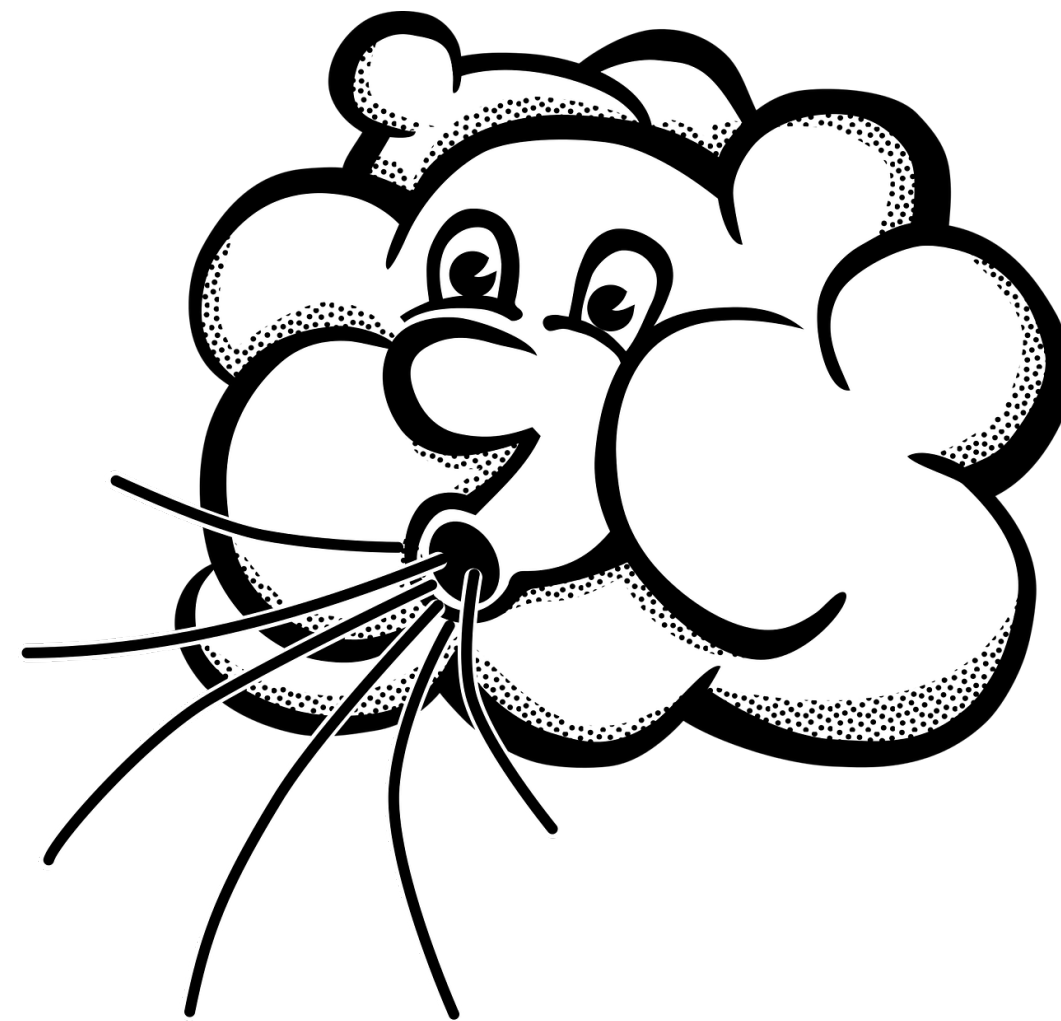


**By- Rajnish Mani Pandey  
(DIET U.S.Nagar)**

# Do you know what we need to survive?

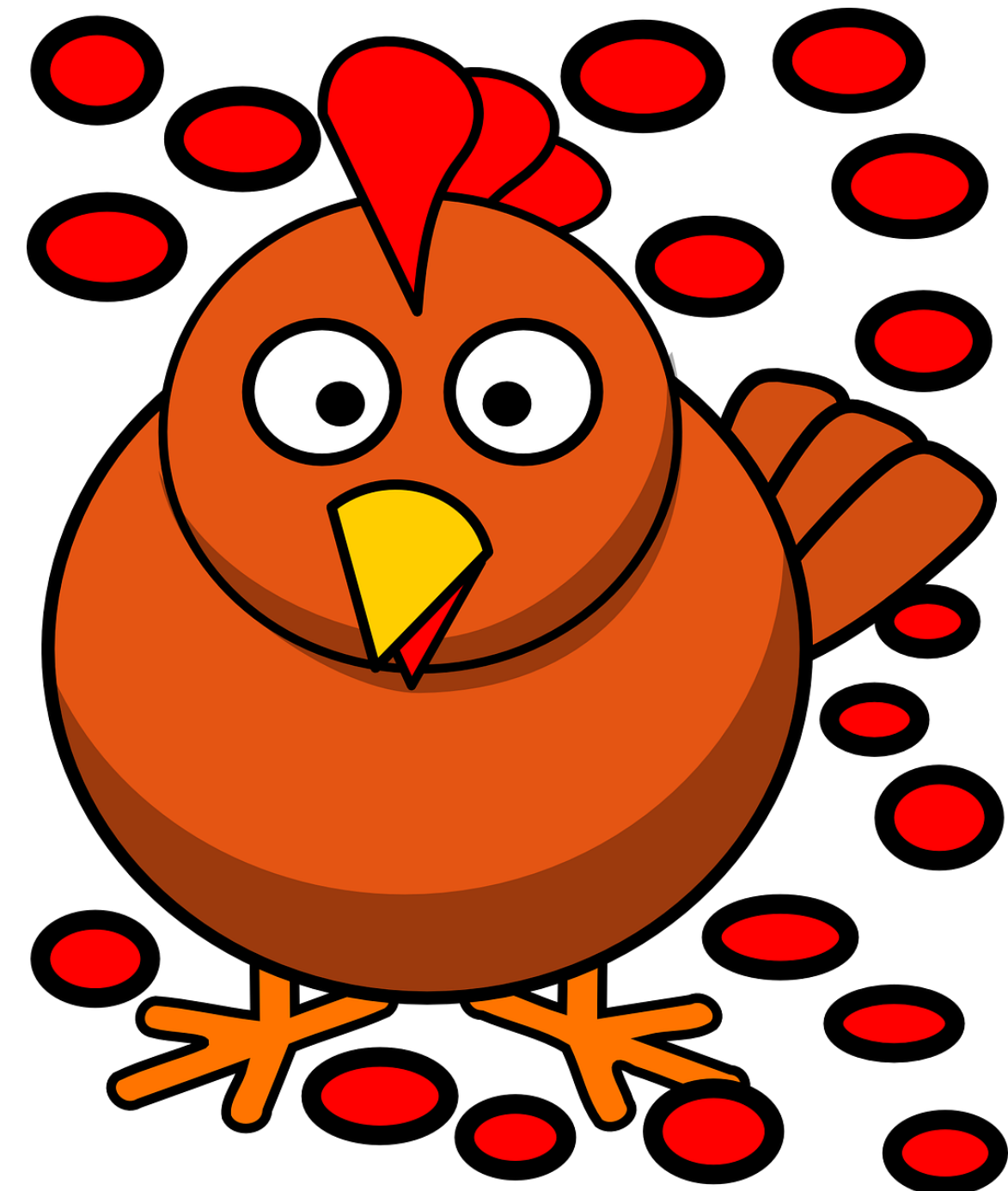
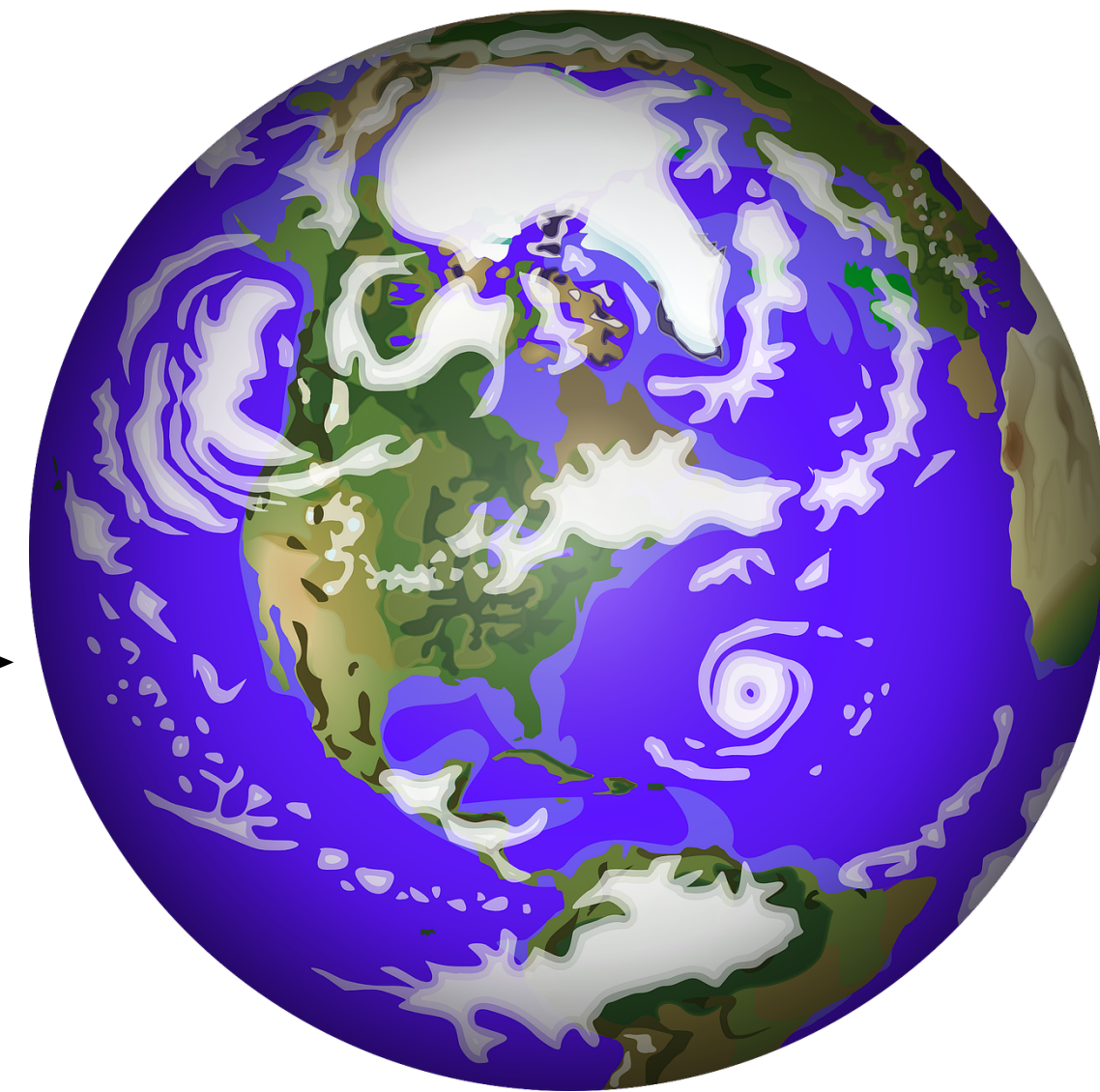
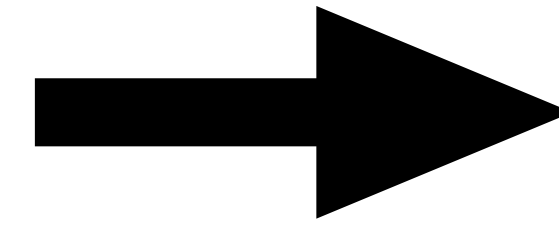


# Things we need to survive (Water, air and Food)

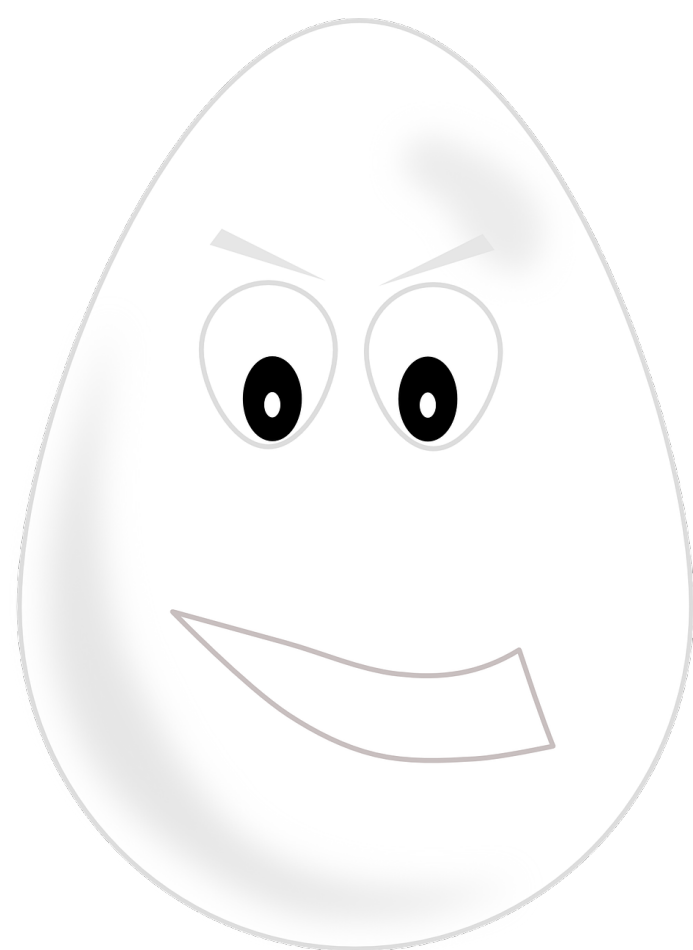
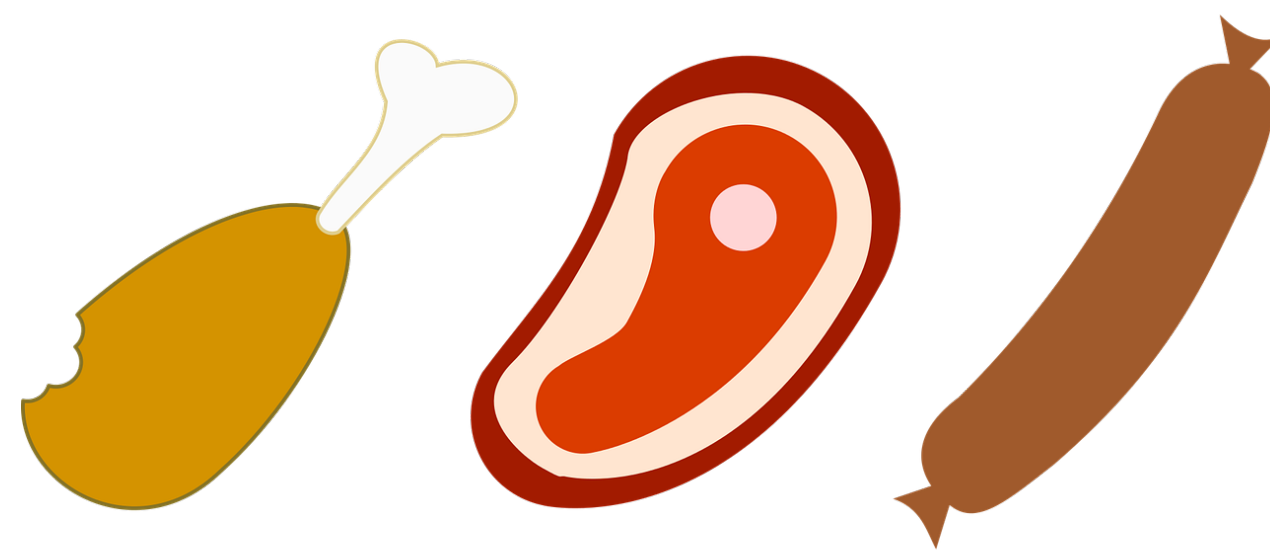
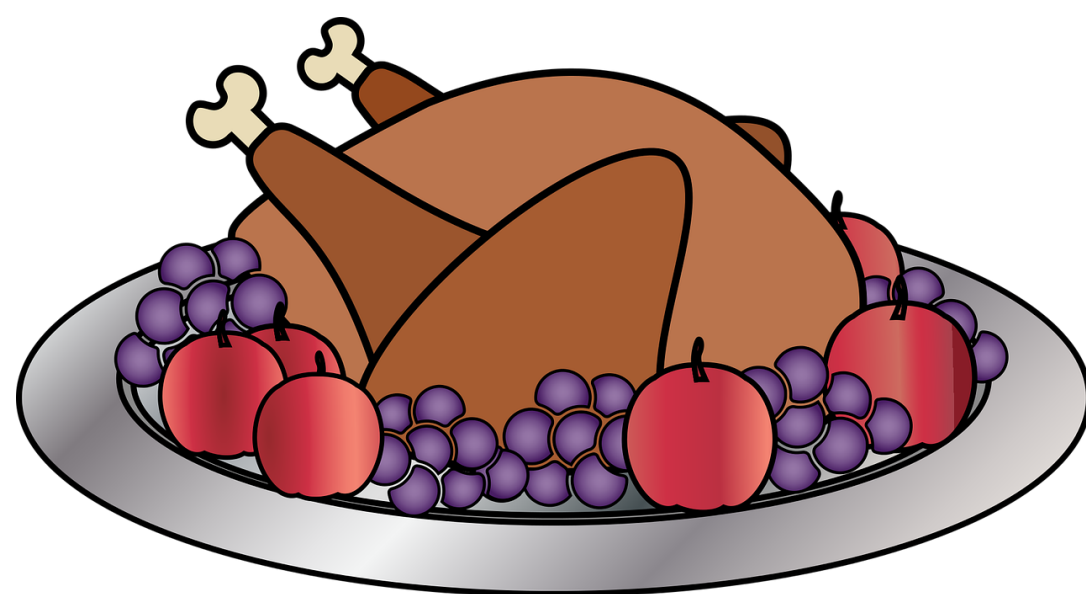


## From where we get air, water and food?

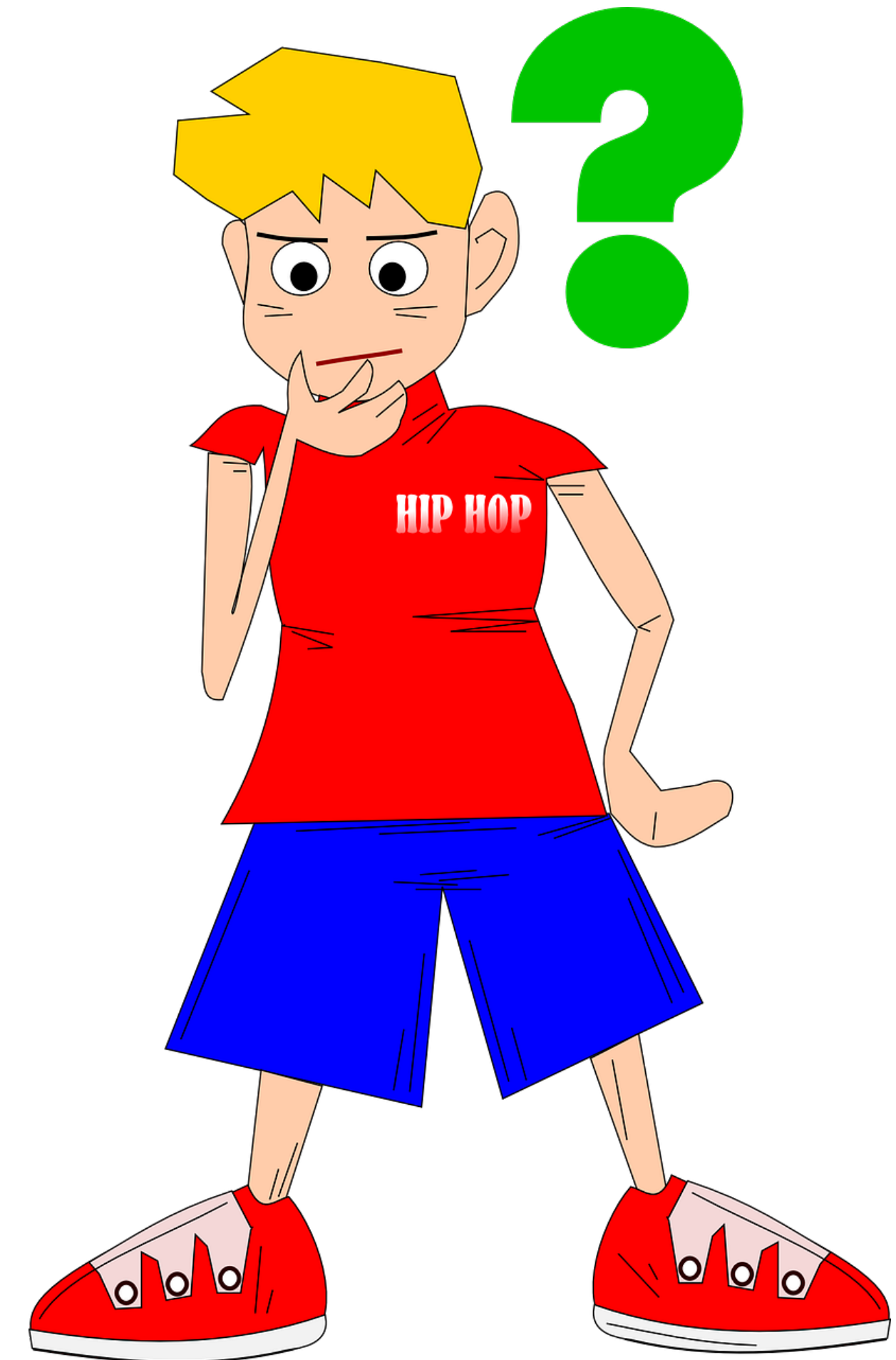
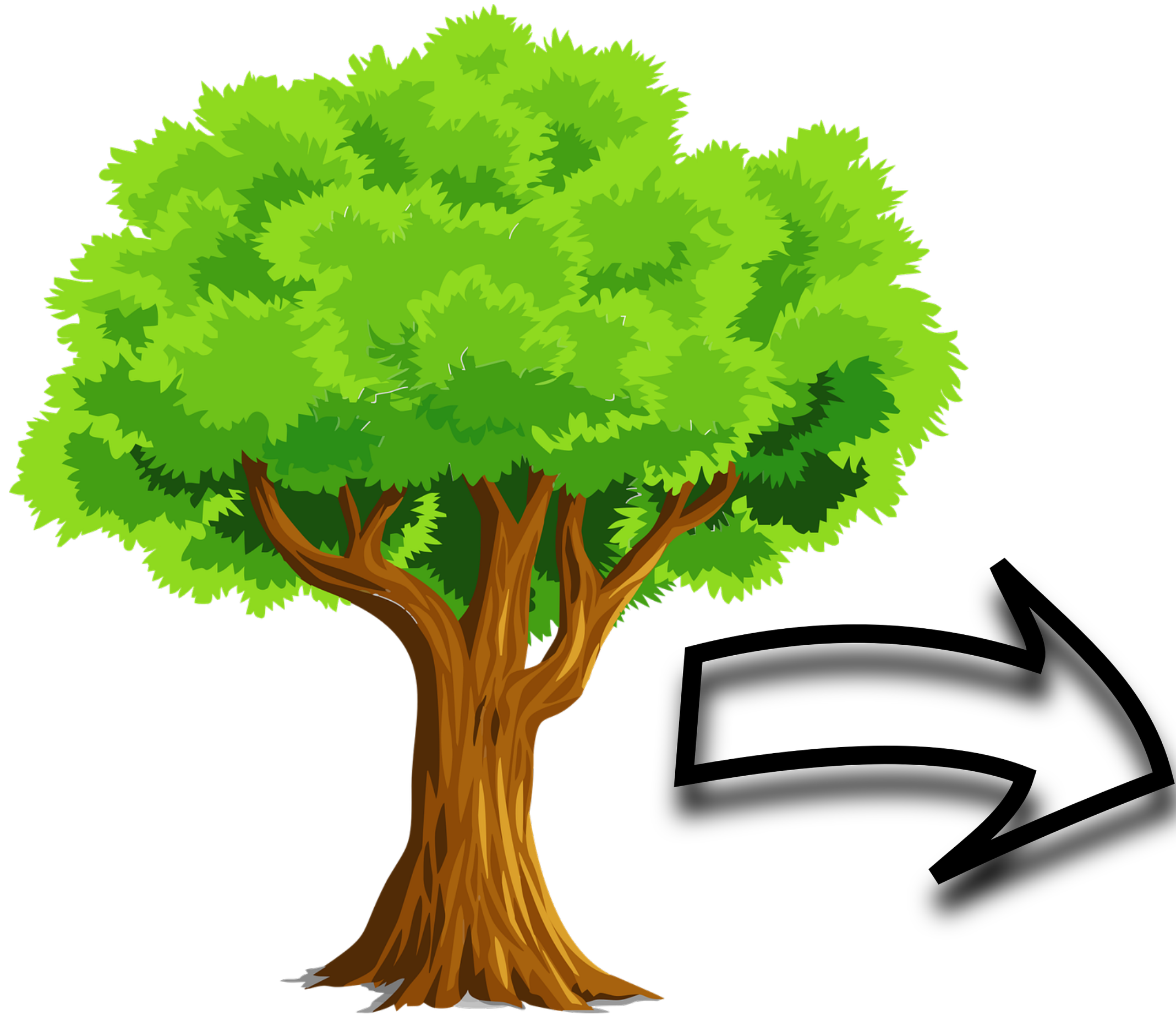
- We get air(oxygen) and water from our atmosphere.
- For our food we depend on plants and animals.



# Sources of our food



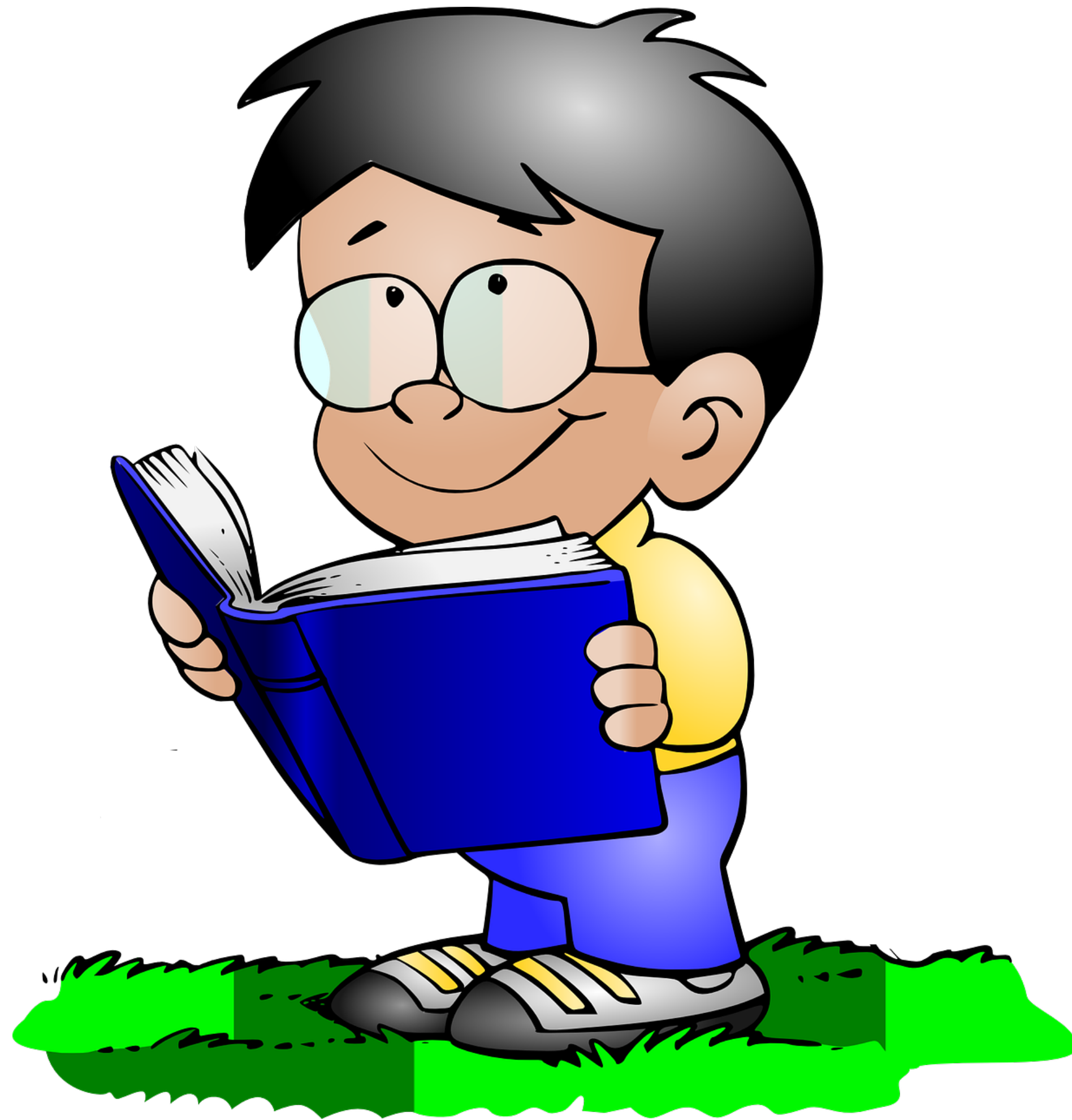
# From where does plant get their foods?



**Plants make their own food and the process of making their own food is known as photosynthesis.**



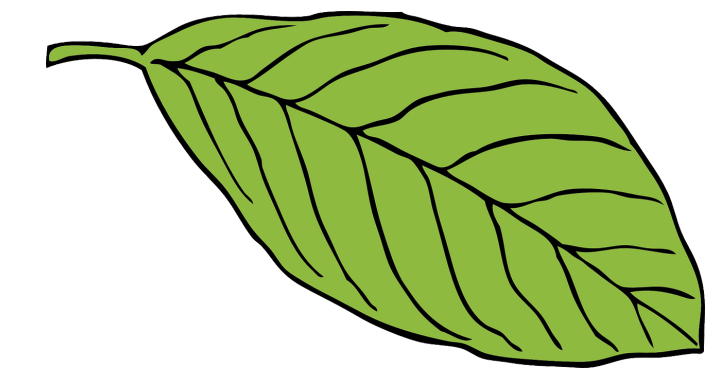
# Let's Start



# Photosynthesis

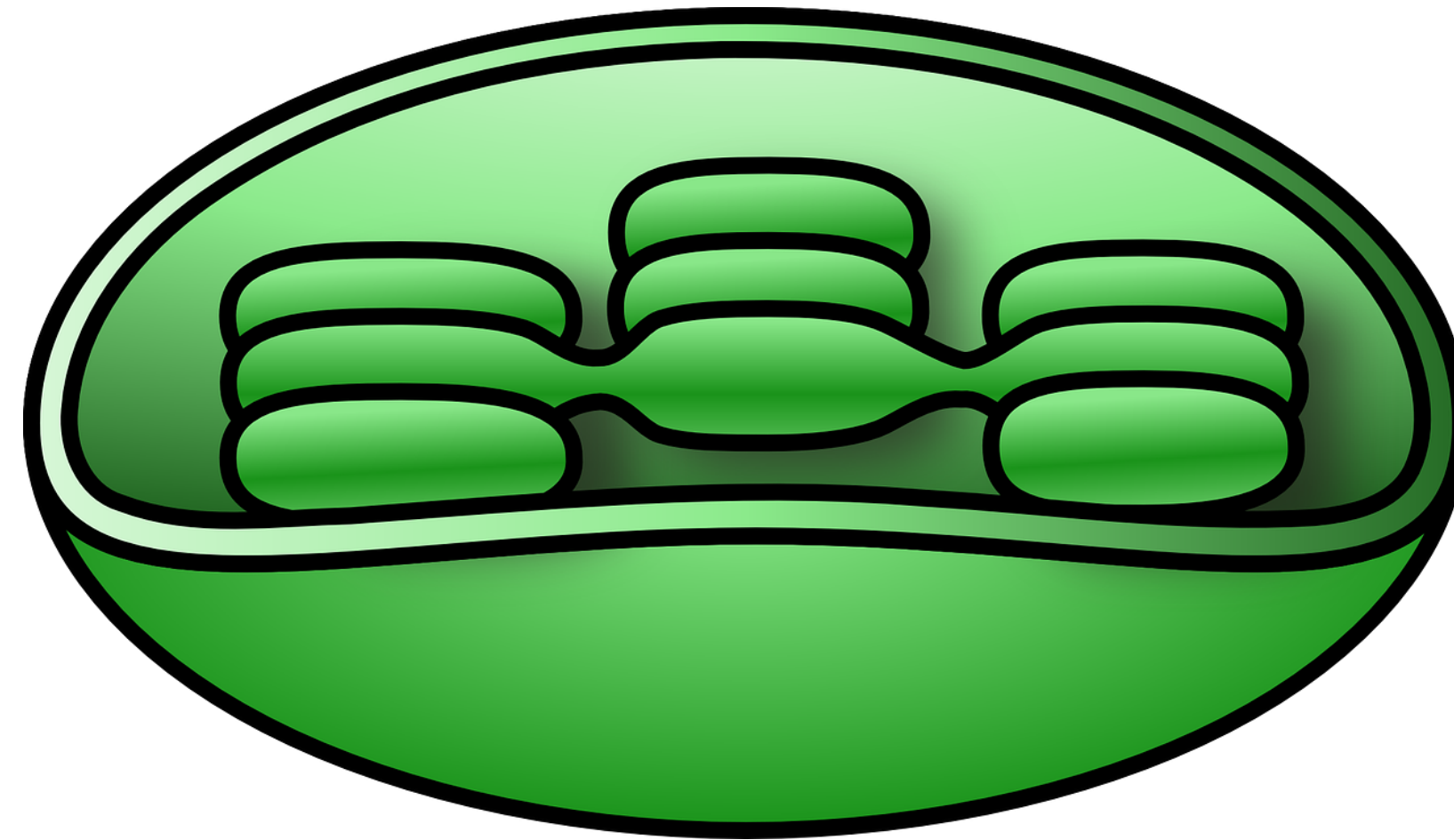
- It is a process by which Plants make food.
- Photosynthesis takes place in leaves.
- In this process chlorophyll in the leaves captures light which is used to change carbon dioxide and water into food.
- Plant food made by photosynthesis process is known as - **Glucose**





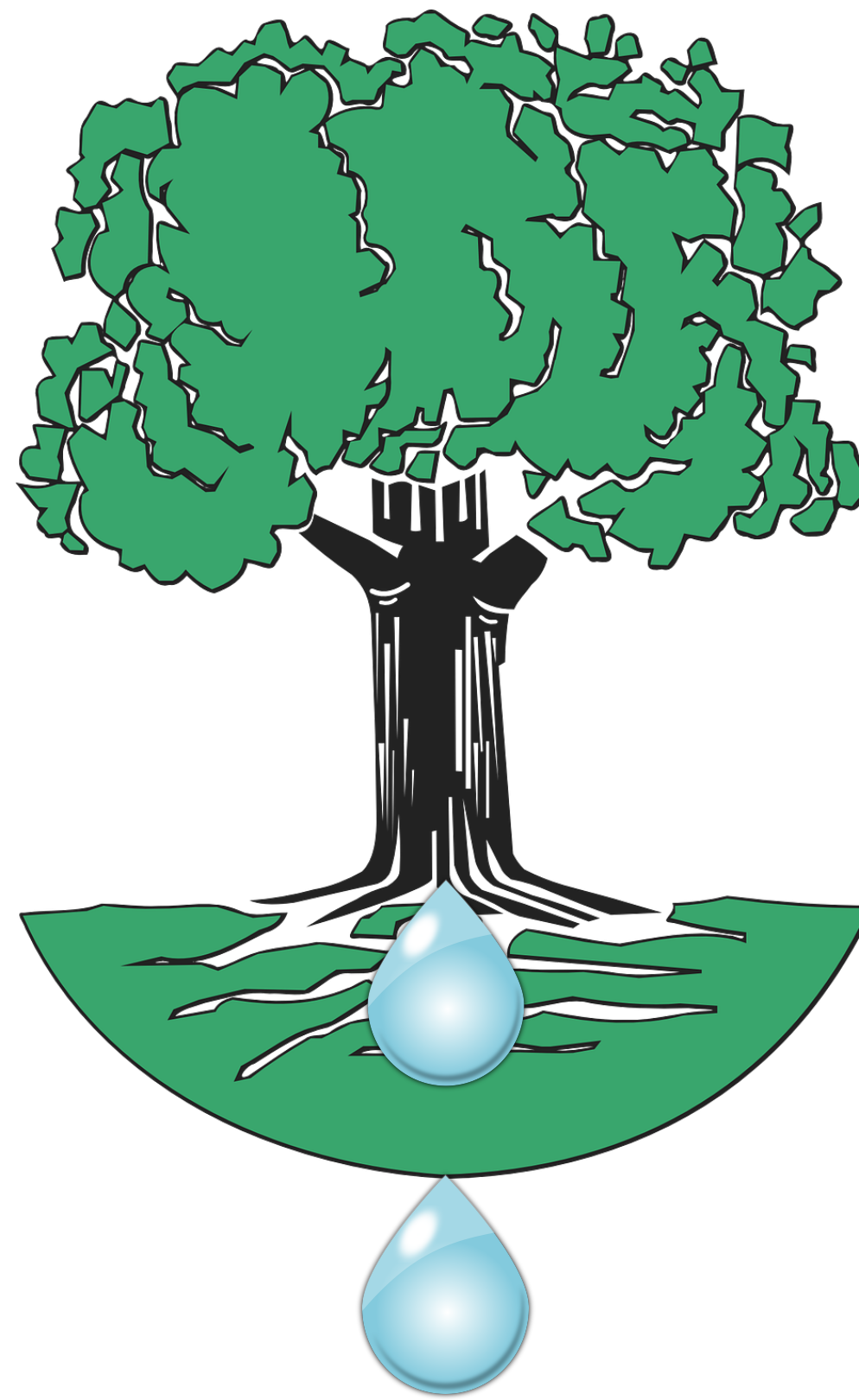
# Things Plant need for photosynthesis

- Sun light
- Water
- Carbon di oxide
- Chlorophyll



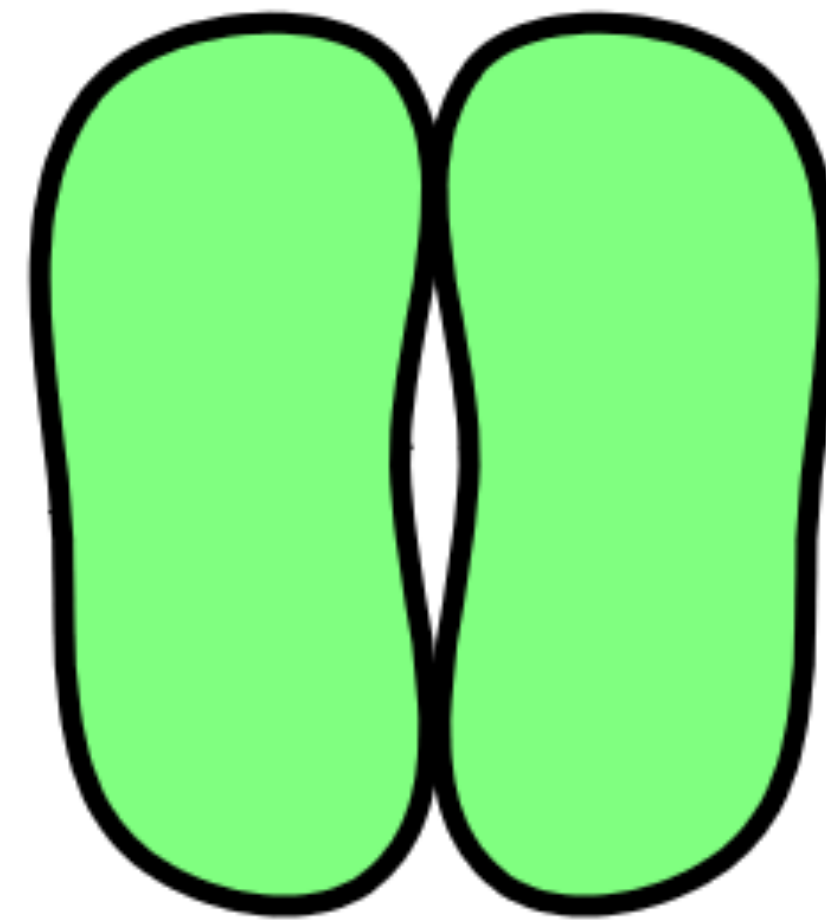
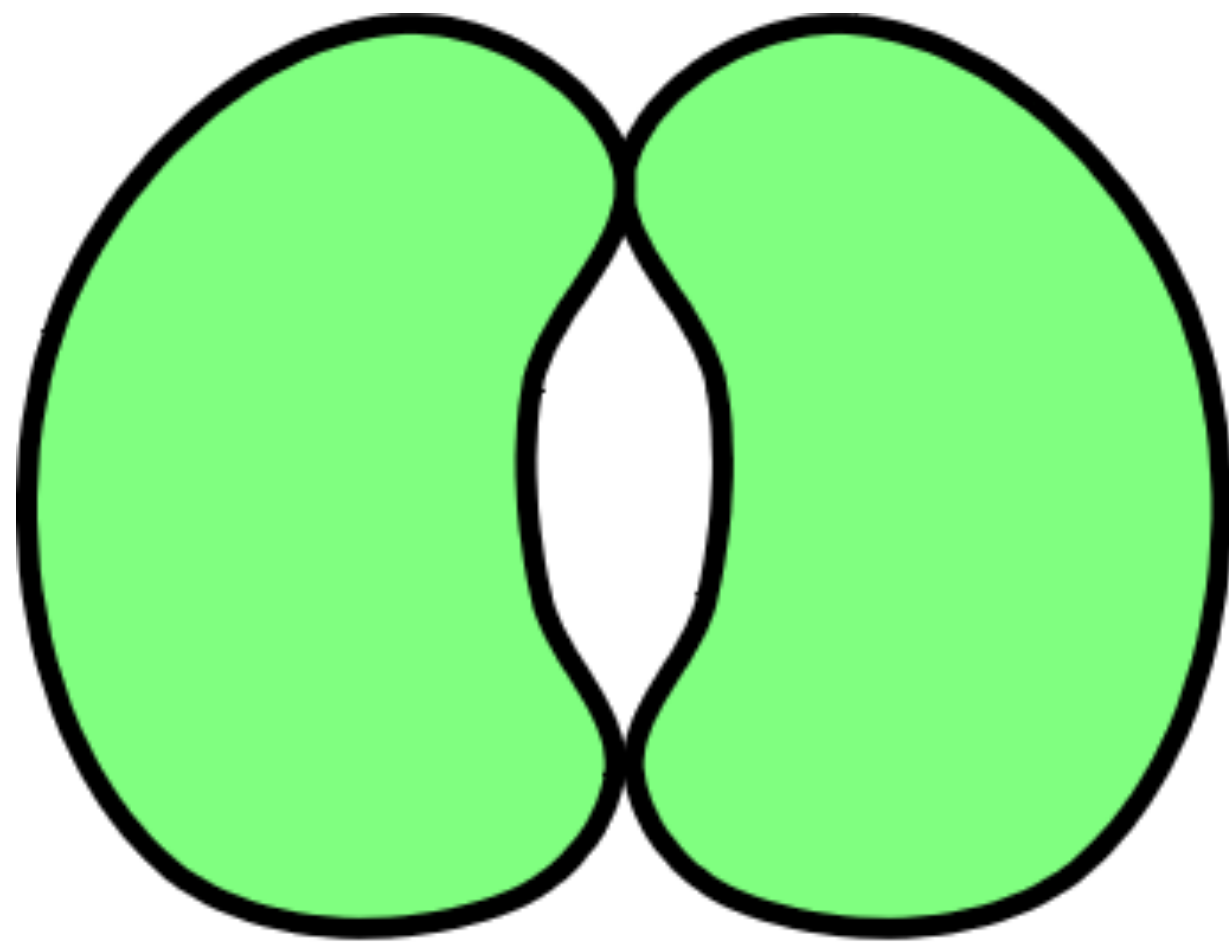
# Which part of plant takes water?

- Plant takes water from roots.
- Water then goes to different parts of plants with help of vessels.



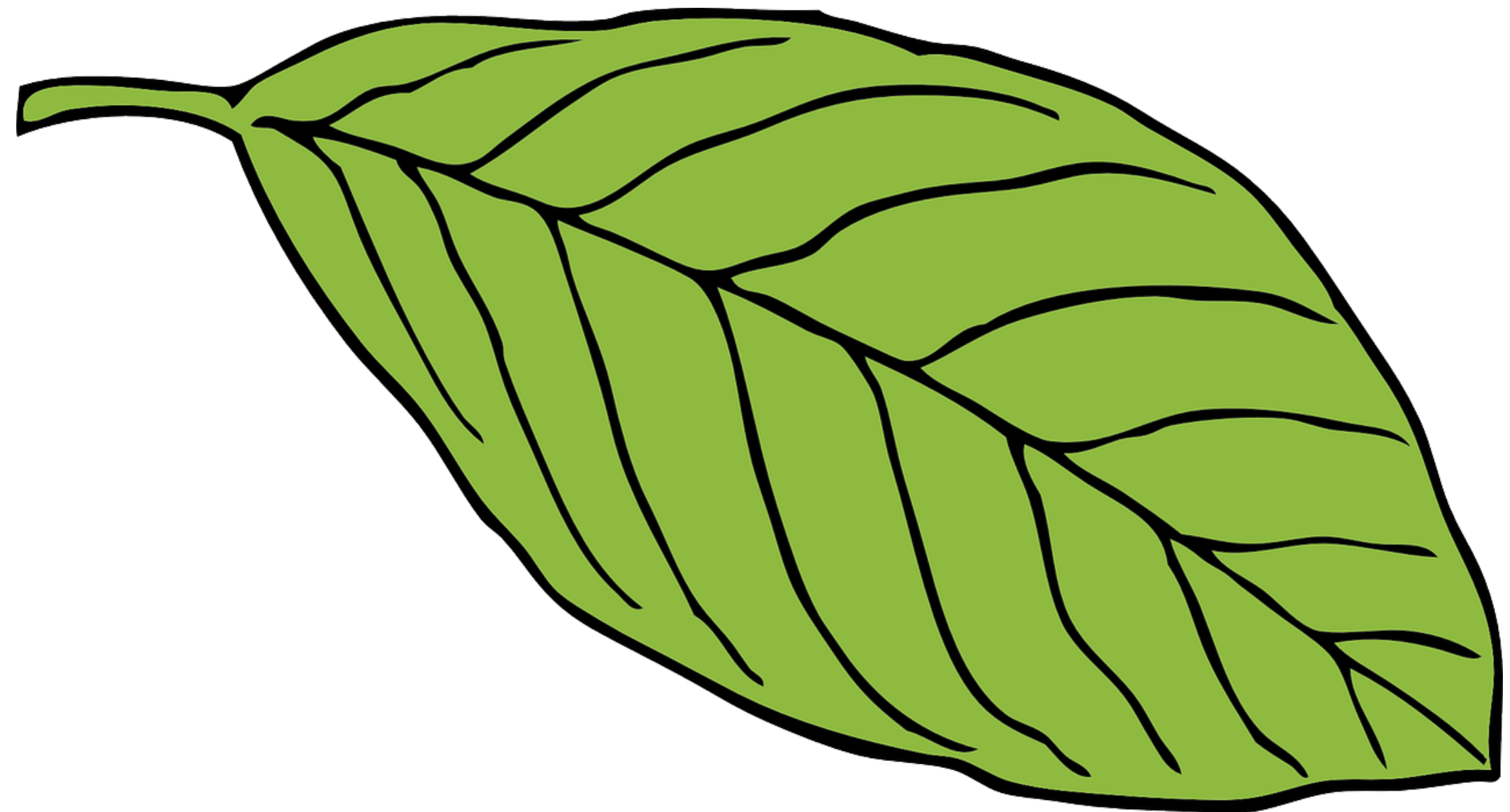
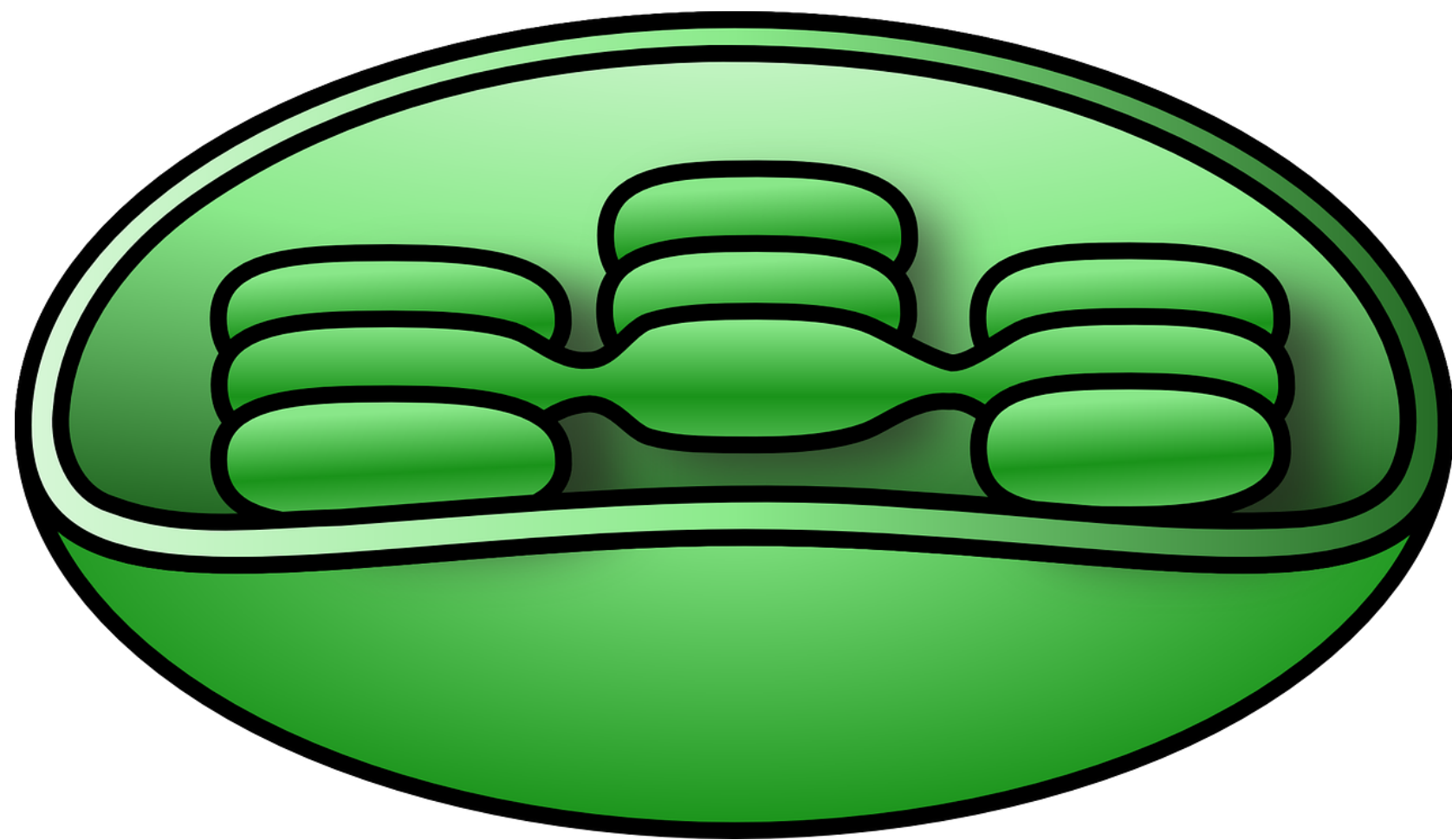
# Which part of plant takes carbon dioxide?

- Leaves have some holes on their surface called **Stomata**.
- Carbon dioxide enters into the plant with the help of these stomata.



# Which part of plant absorbs sun light?

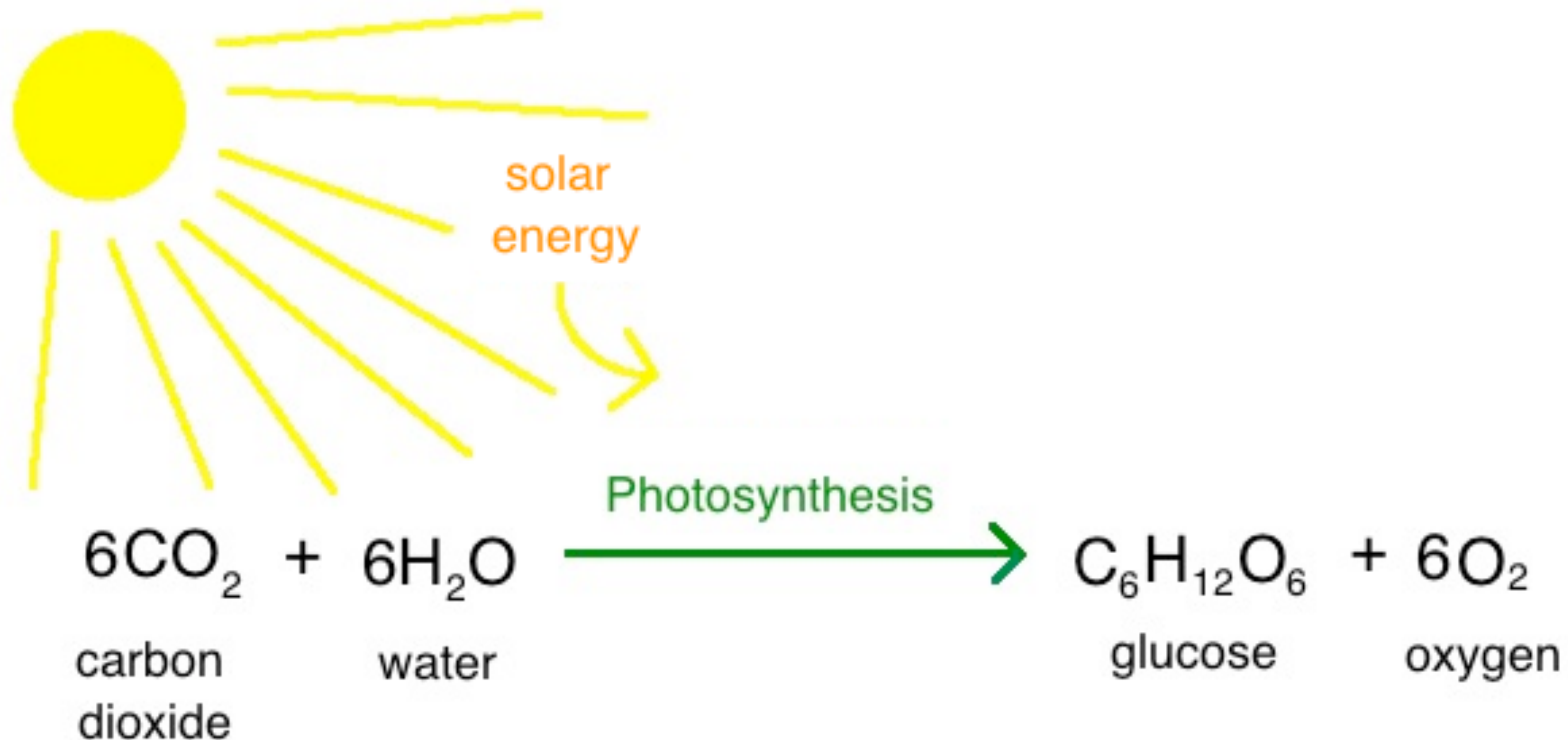
- Green leaves of a plant absorb sunlight.
- **Chlorophyll** present in green leaves helps to absorb energy from sunlight.



# Photosynthesis

## Definition and process

- The process by which plants make their own food in the presence of sunlight, carbon dioxide, water and chlorophyll is called **photosynthesis**.



1. Plants take up carbon dioxide through stomata.

2. Plants absorb water and minerals from soil with help of root and transport them to leaves where synthesis of food takes place.

3. Green pigment chlorophyll helps the leaves to capture sunlight that acts as source of energy.

4. After this in the presence of sunlight, carbon dioxide and water, food gets prepared and **oxygen** is released.

5. In this way photosynthesis takes place and food in the form of **glucose** gets stored in plant.

