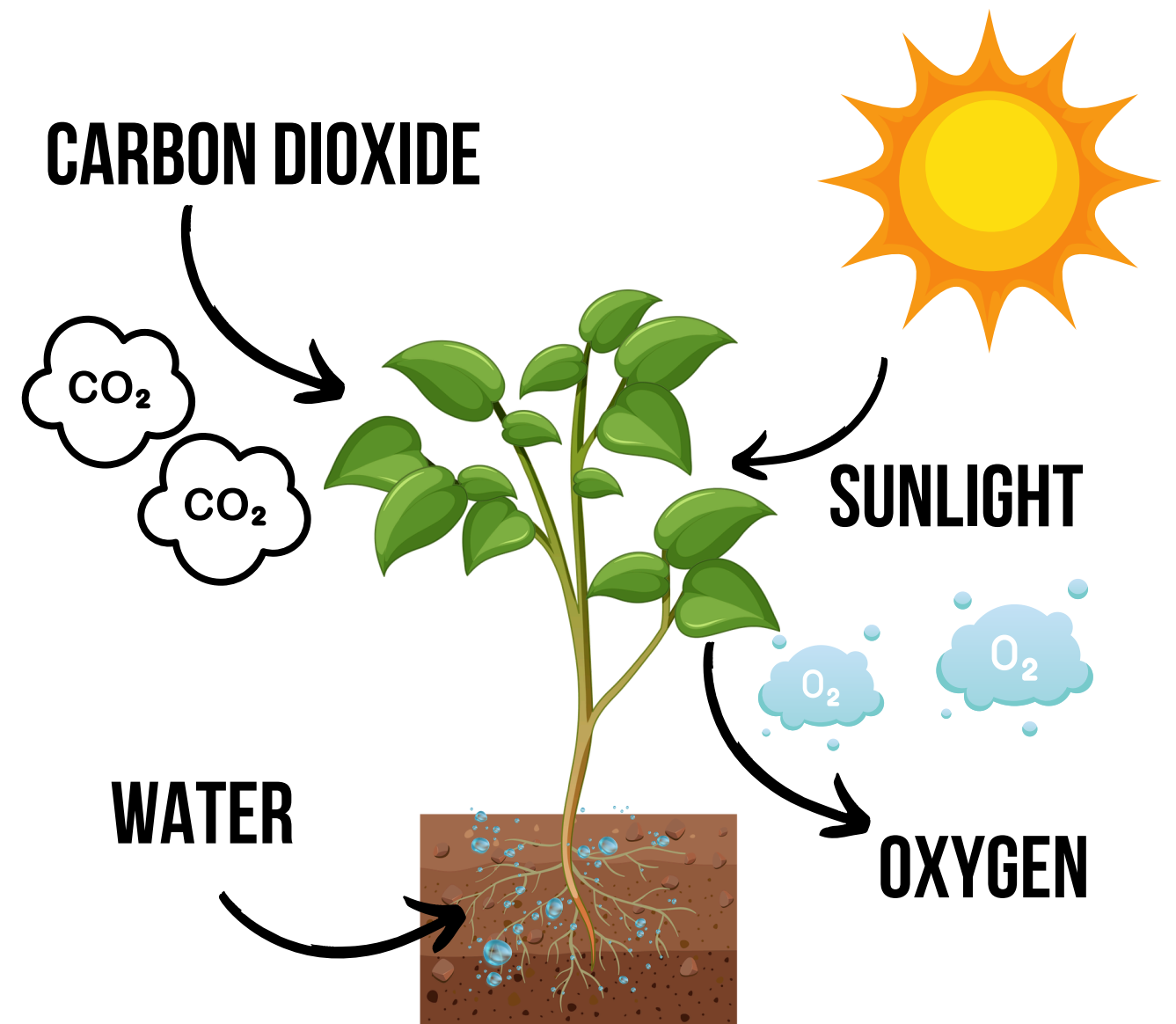
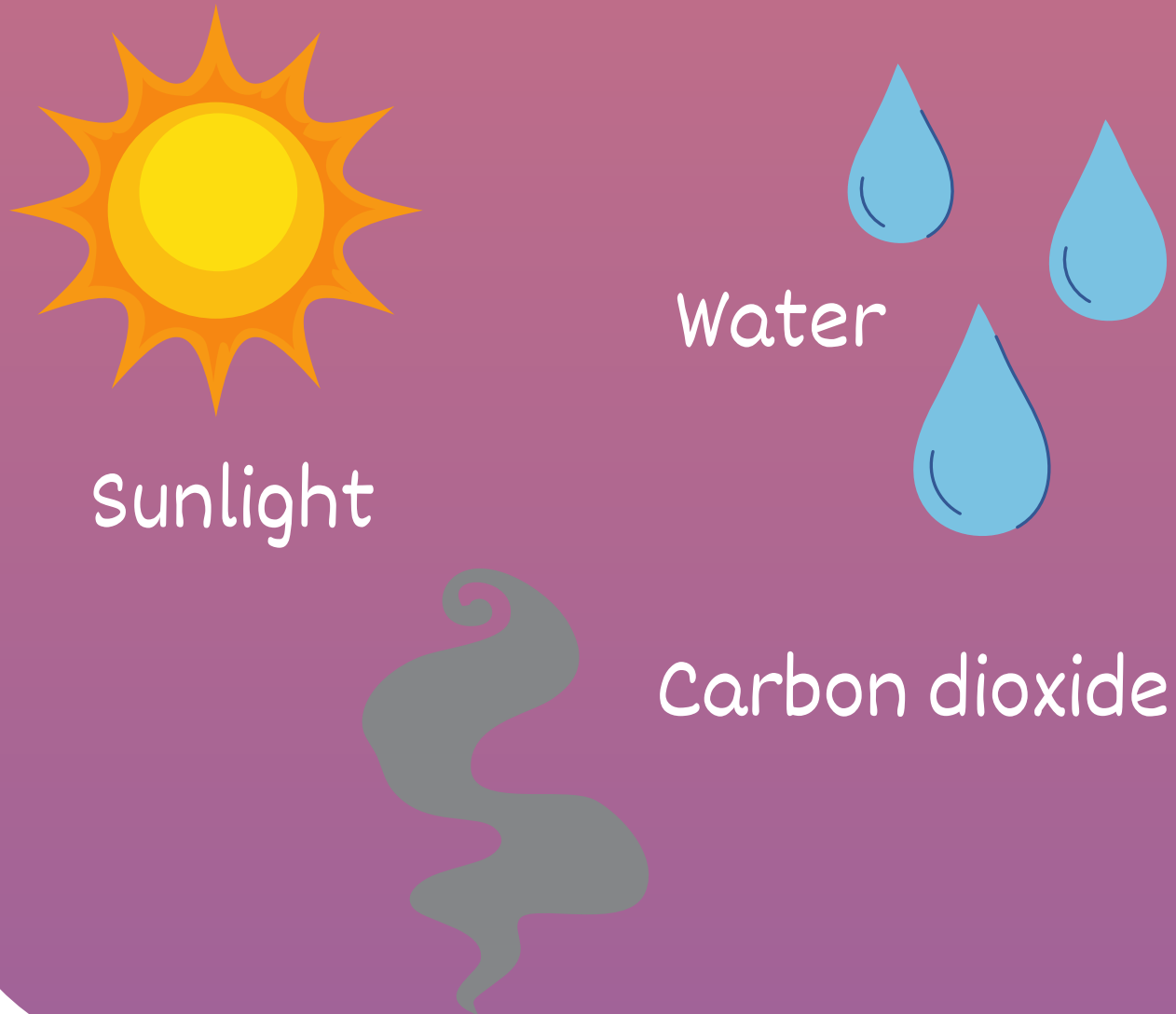


# PHOTOSYNTHESIS

Photosynthesis is the process by which plants make their own food.





## WHAT IS NEEDED FOR PHOTOSYNTHESIS?

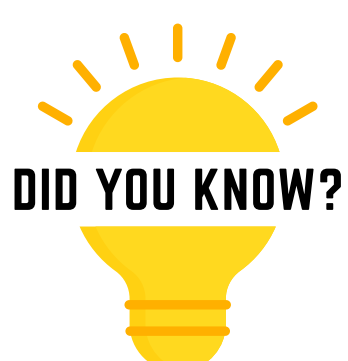


## WHAT DOES PHOTOSYNTHESIS PRODUCE?



## WHAT HAPPENS DURING PHOTOSYNTHESIS?

-  Water is absorbed by the roots and passes through vessels in the stem on its way to the leaves
-  Carbon dioxide from the air passes through small pores in the leaves. These pores are called stomata.
-  Sunlight is absorbed by a green chemical called chlorophyll. Sun's energy is used to split water molecules into hydrogen and oxygen.
-  Oxygen is released from the leaves into the atmosphere.
-  Hydrogen and carbon dioxide are used to form glucose or food for plants.



**DID YOU KNOW?** \*Photosynthesis is also responsible for balancing oxygen and carbon dioxide levels in the atmosphere. Plants absorb carbon dioxide from the air and release oxygen during the process of photosynthesis.