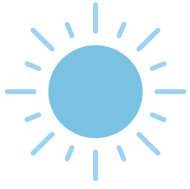


WHAT RESOURCES DO PLANTS NEED TO SURVIVE?



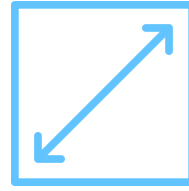
Sunlight



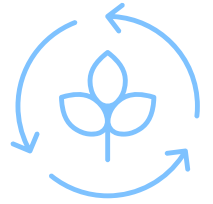
Water



Air

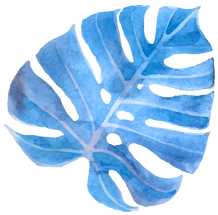


Space

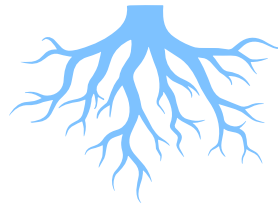


Food
(Nutrients)

WHAT ARE SOME PLANT PARTS THAT HELP PLANTS GET WHAT THEY NEED TO SURVIVE?



Leaf

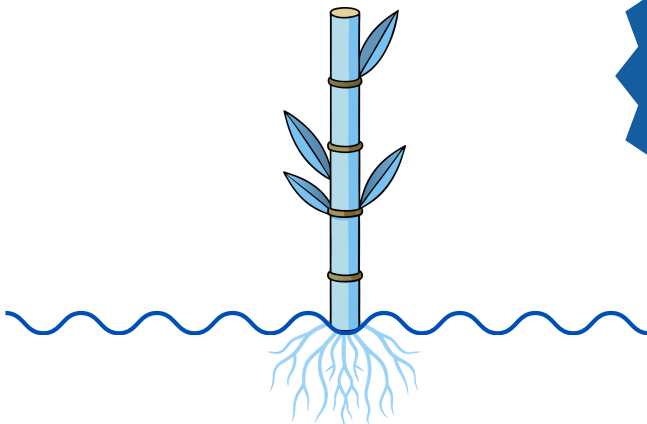


Roots



Stem

PLANTS CAN ADAPT TO THEIR ENVIRONMENT BY INVESTING THE SUGAR
THEY MAKE THROUGH PHOTOSYNTHESIS INTO DIFFERENT PLANT PARTS



"What parts should this bamboo plant invest in
if it needs more sunlight? Or more water?"

Adaptation:
A characteristic
that helps an
organism live in
it's environment

Environment:
Conditions in
which something
lives

FICUS AERIAL ROOTS

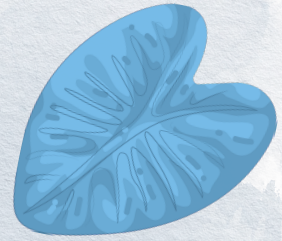


Palm House

Look for long roots that grow from this tree's branches directly into the soil

What resources can aerial roots help a Ficus tree obtain?

HYDROPHOBIC TARO LEAVES

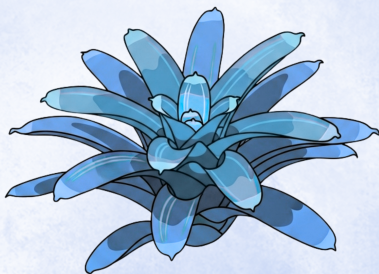


Sugars From the Sun

Look for heart-like leaves that are growing close to the ground.

What do you notice when you spray the leaves with water?

BROMELIAD "WATER TANKS"



Palm House

Look on the ground for plants that have a "cup" in the center full of water

Do you think bromeliads invest more sugar towards their roots or their leaves?

BLUE BARREL CACTUS SPINES AND WAX



Desert House

Look for a small green cactus, with yellow spines, and a waxy coating

Spines are modified leaves! Why do you think cacti have spines instead of regular leaves?