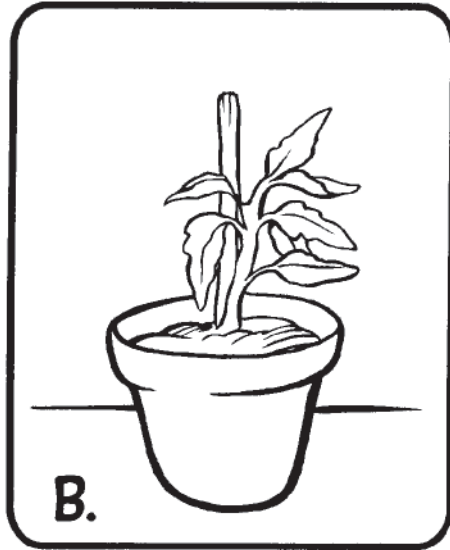
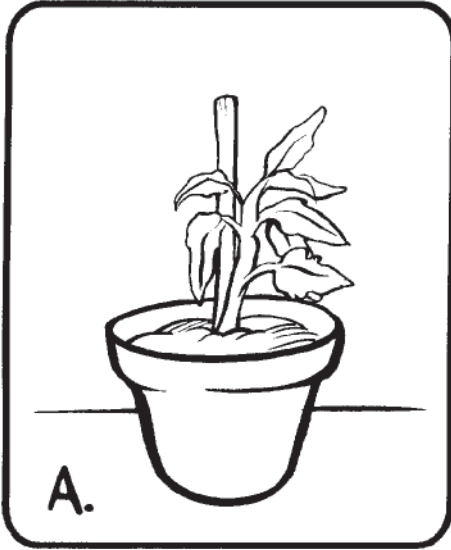


LET'S DO AN EXPERIMENT!

LET'S SEE WHAT HAPPENS TO PLANTS WHEN THEY DO NOT HAVE FOOD AND SUNLIGHT.



DISTILLED WATER

SAND

SUNLIGHT

DAY 1   

DAY 4   

DAY 7   

DAY 11   

DAY 14   

TAP WATER

GOOD SOIL

SUNLIGHT

DAY 1   

DAY 4   

DAY 7   

DAY 11   

DAY 14   

TAP WATER

SAND

NO SUNLIGHT

DAY 1   

DAY 4   

DAY 7   

DAY 11   

DAY 14   

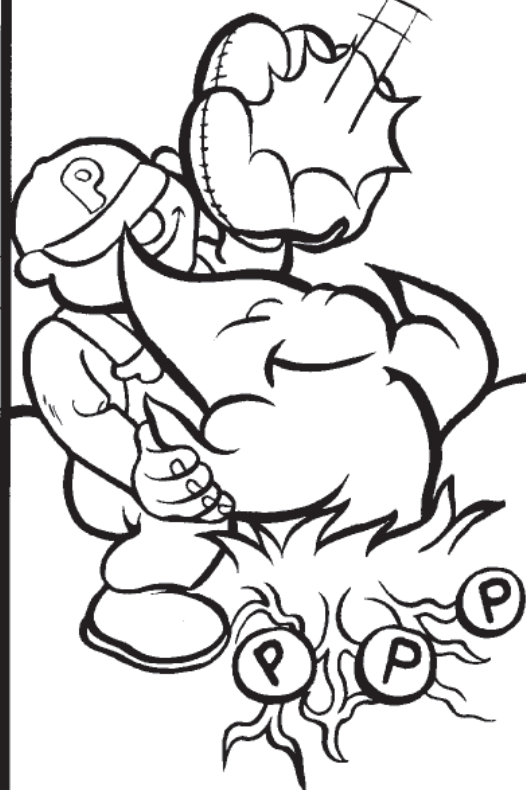
PHOTOSYNTHESIS

PHOTOSYNTHESIS IS THE WAY PLANTS USE SUNLIGHT TO
MAKE ENERGY FOR THEMSELVES SO THEY CAN GROW.

GREEN
PLANTS
USE
YELLOW
SUNLIGHT
TO MAKE
MINERALS
IN THE
BROWN
SOIL
INTO
FOOD



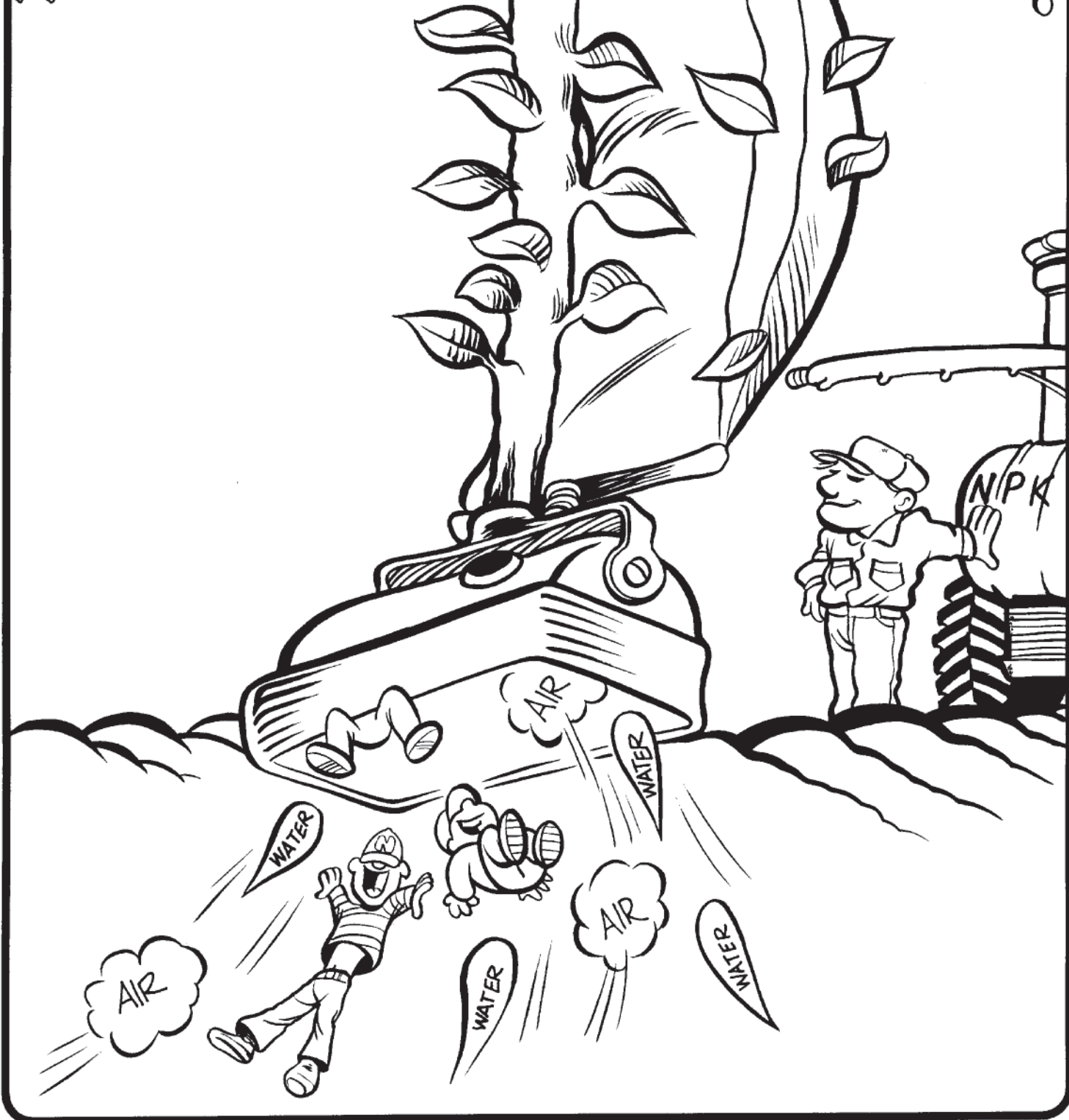
PHOSPHORUS (P) HELPS
THE PLANT CATCH THE
SUN'S ENERGY.



PLANTS NEED P FOR HEALTHY ROOTS

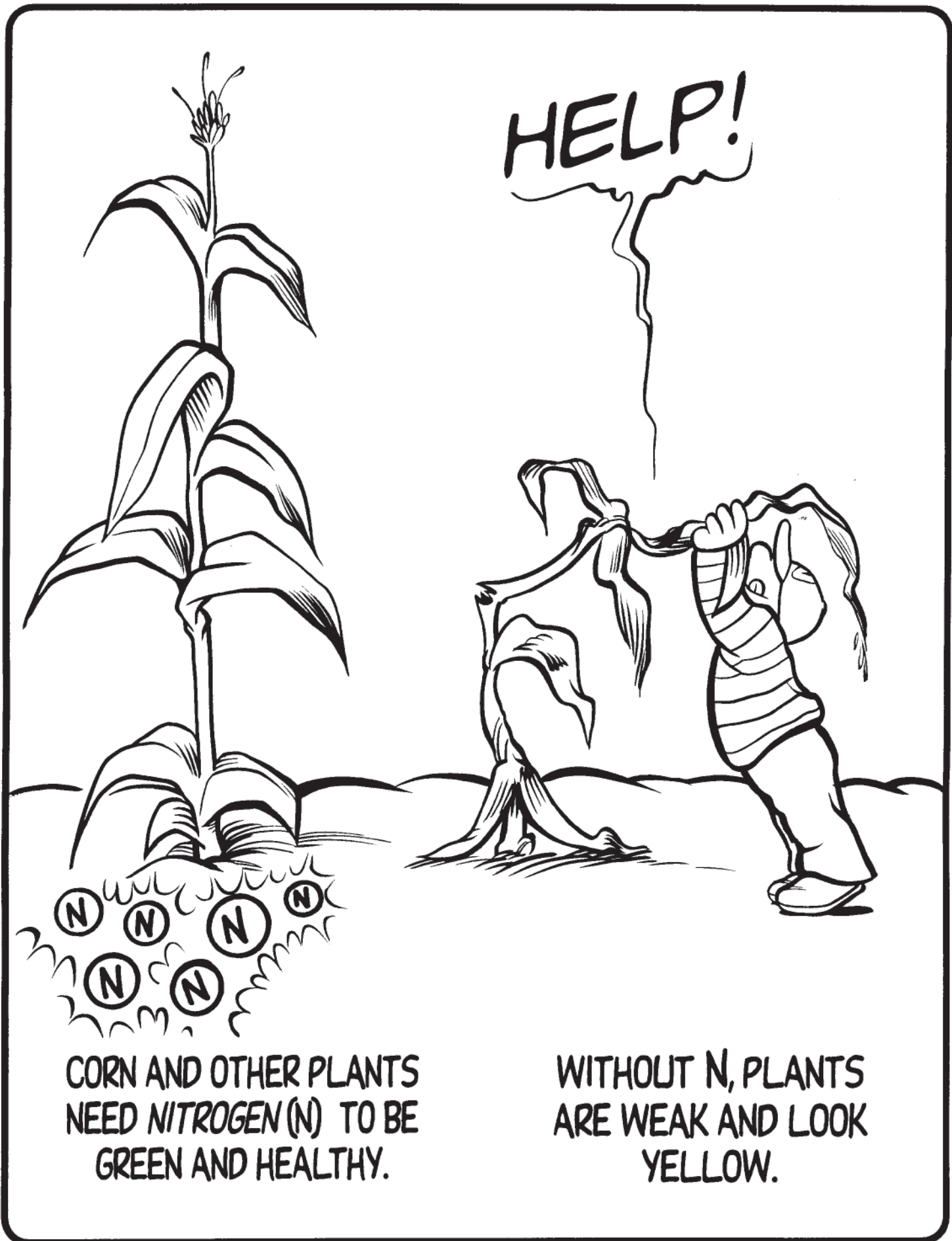


WHAT HAPPENS TO NUTRIENTS IN THE SOIL?



AS PLANTS GROW, HEALTHY ROOTS TAKE UP N-P-K AND OTHER NEEDED NUTRIENTS AS WELL AS AIR AND WATER FROM THE SOIL. THAT'S WHY NUTRIENTS HAVE TO BE ADDED BACK TO THE SOIL.

FUN WITH THE PLANT NUTRIENT TEAM, from the International Plant Nutrition Institute www.ipni.net



CORN AND OTHER PLANTS
NEED NITROGEN (N) TO BE
GREEN AND HEALTHY.

WITHOUT N, PLANTS
ARE WEAK AND LOOK
YELLOW.

THERE ARE 16 NUTRIENTS ON
OUR TEAM! THEY ALL WORK
TOGETHER TO FEED PLANTS
AND KEEP THEM HEALTHY!



BORON • CALCIUM • CARBON • CHLORINE • COPPER • HYDROGEN • IRON
MAGNESIUM • MANGANESE • MOLYBDENUM • OXYGEN • SULFUR • ZINC

FUN WITH THE PLANT NUTRIENT TEAM, from the International Plant Nutrition Institute www.ipni.net

Mineral Information Institute Littleton, Colorado www.mii.org