

Humans, animals and plants all depend on the soil for life. Without soil, we could not grow the food we eat. There would be no place to hold and store the water we drink. There would be no place for us to build our houses, roads, schools and cities.

How we care for the soil is important to our lives. As the world population increases and more food is needed to feed all the people, a knowledge of what is best for the soil, what is best for the plants and what is best for the world around us is a necessary part of everyone's education.

Fun with the Plant Nutrient Team activity book was written to help children better understand what the soil needs to be healthy in order to provide us with healthy foods.





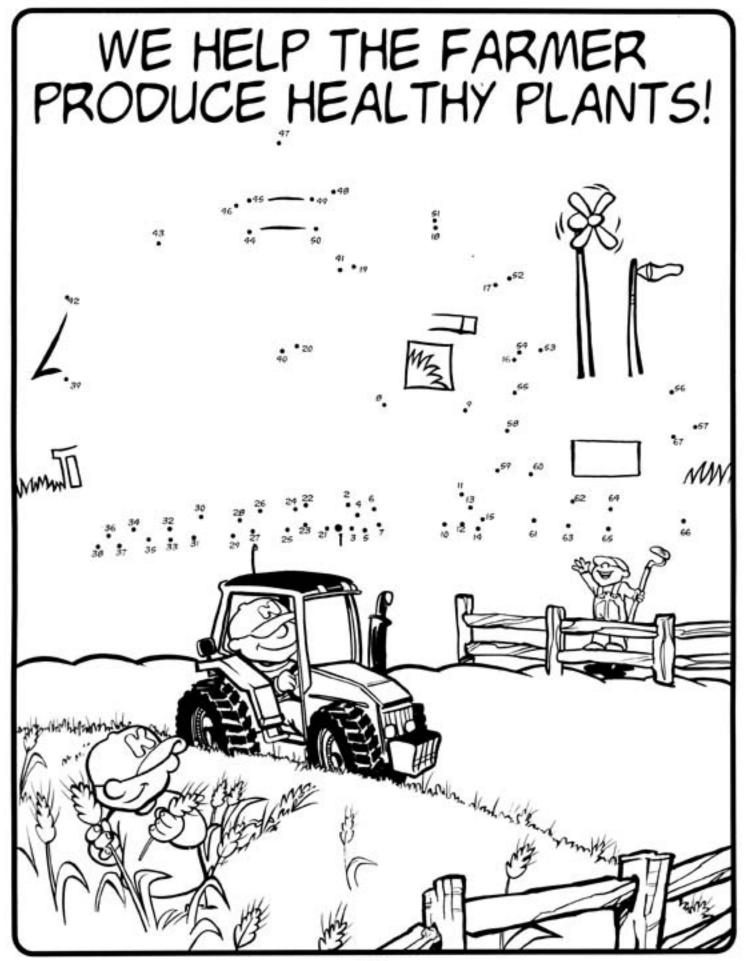
ILLUSTRATED BY GREG CRAVENS

PLANT NURSIENT TEAM

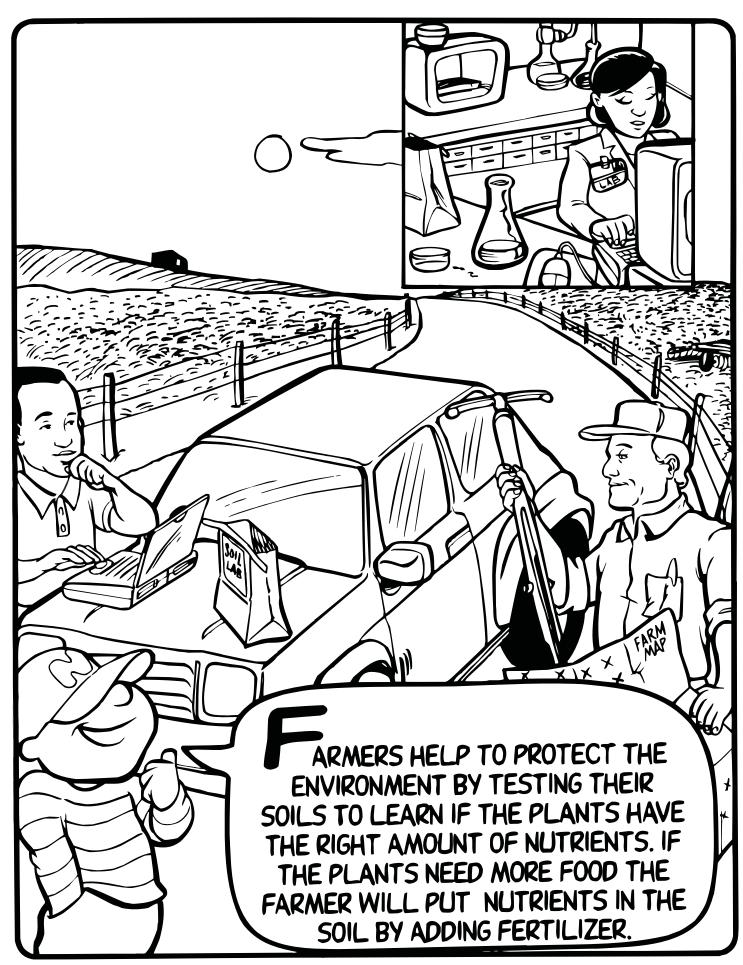
MY NAME IS NITROGEN,

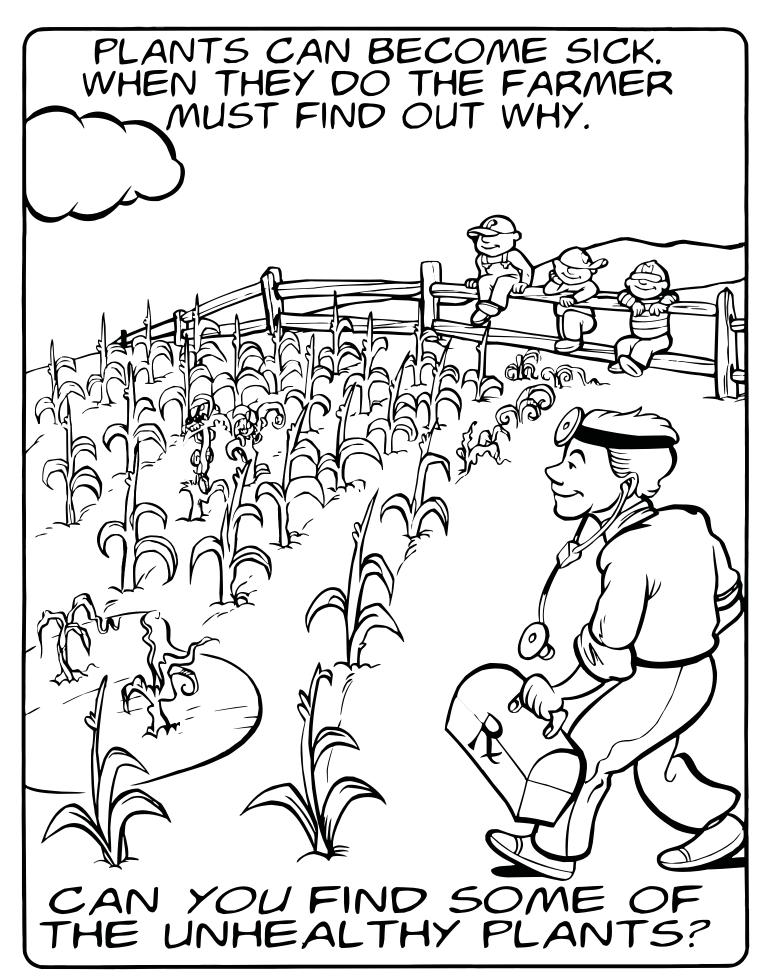
AND MY HAT HAS A LETTER 'N'! AND I'M
POTASSIUM,
WITH A LARGE
LETTER 'K' ON
MY HAT!

THEY CALL ME PHOSPHORUS, AND MY HAT HAS A LARGE LETTER 'P'!



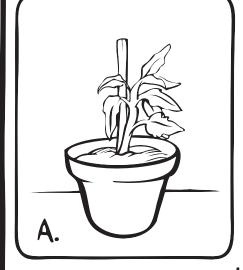
CIRCLE THE RIGHT ANSWERS PLANTS NEED: IUTRIENTS

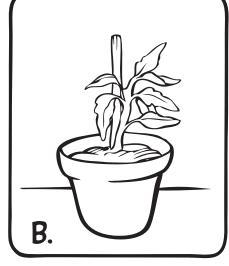


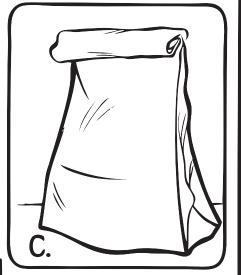


-LET'S-DO-AN-EXPERIMENT!

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







TAP WATER

	DISTILLED WATER
	SAND







DAY 1		
	\bigcirc	

SUNLIGHT



DAY 4 () () ()

DAY 4 ··· ···

DAY 4 () () ()

DAY 7 (1) (1)

DAY 7 (1) (1)

DAY 7 (1) (1)

DAY 11(1)(1)(1)

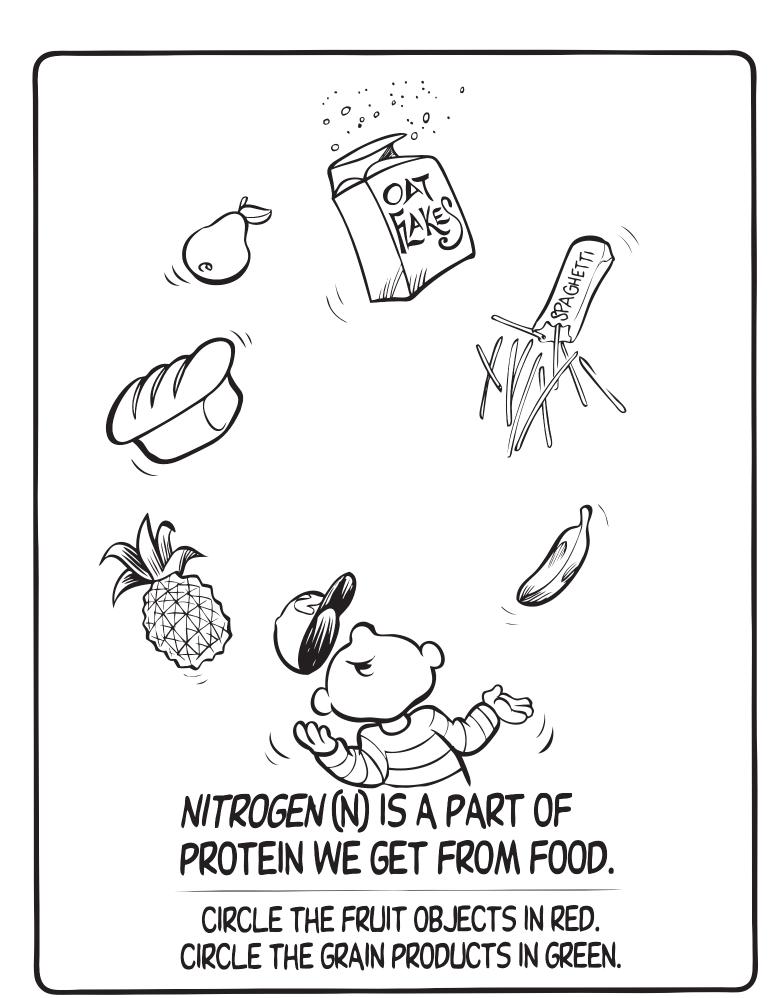
DAY 11 (1) (1)

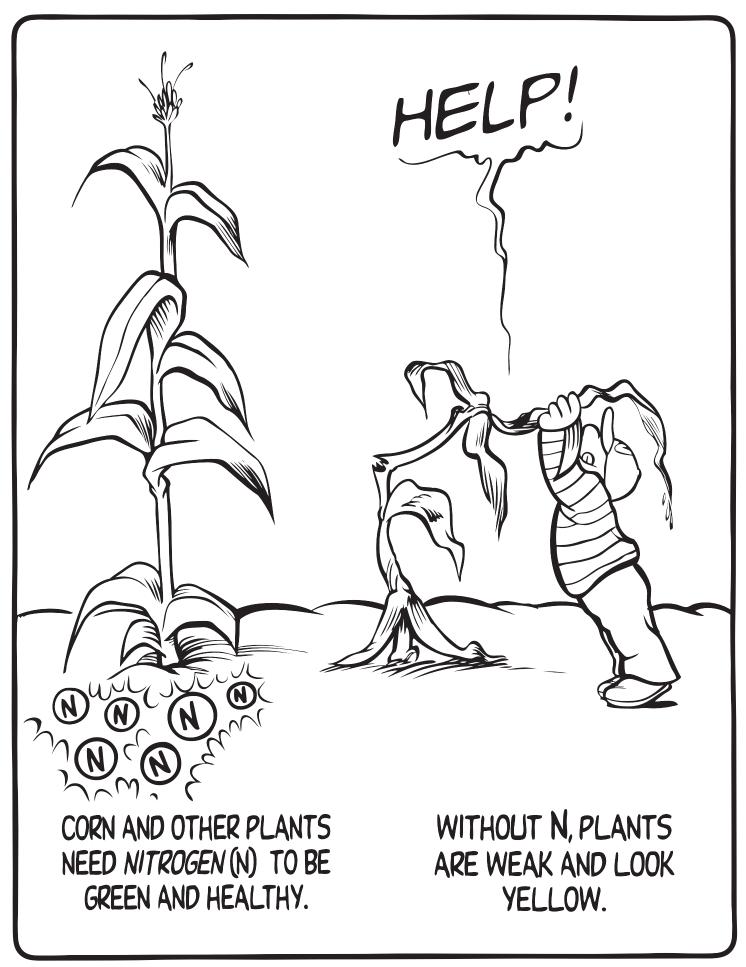
DAY 11(1)(1)(1)

DAY 14 (1) (1)

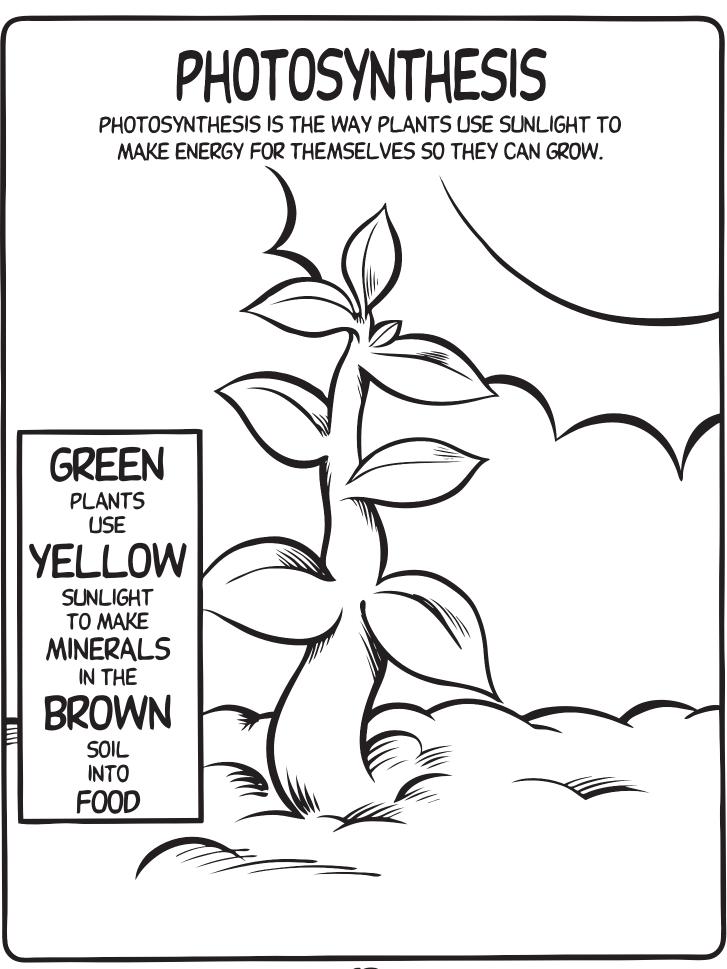
DAY 14 (1) (1)

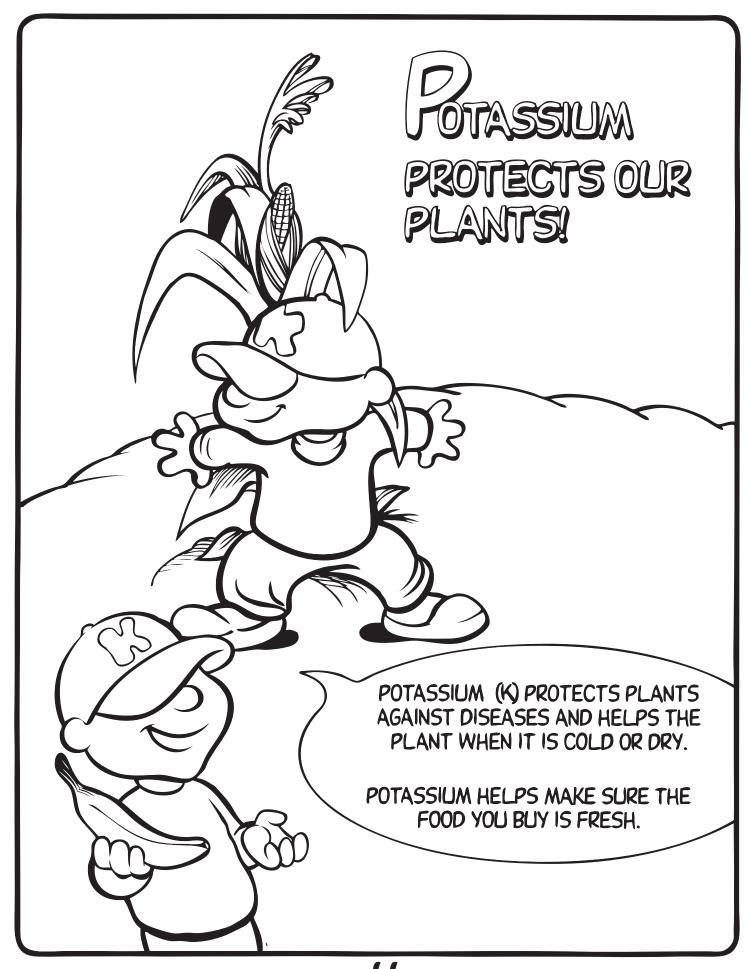
DAY 14 (1) (1)

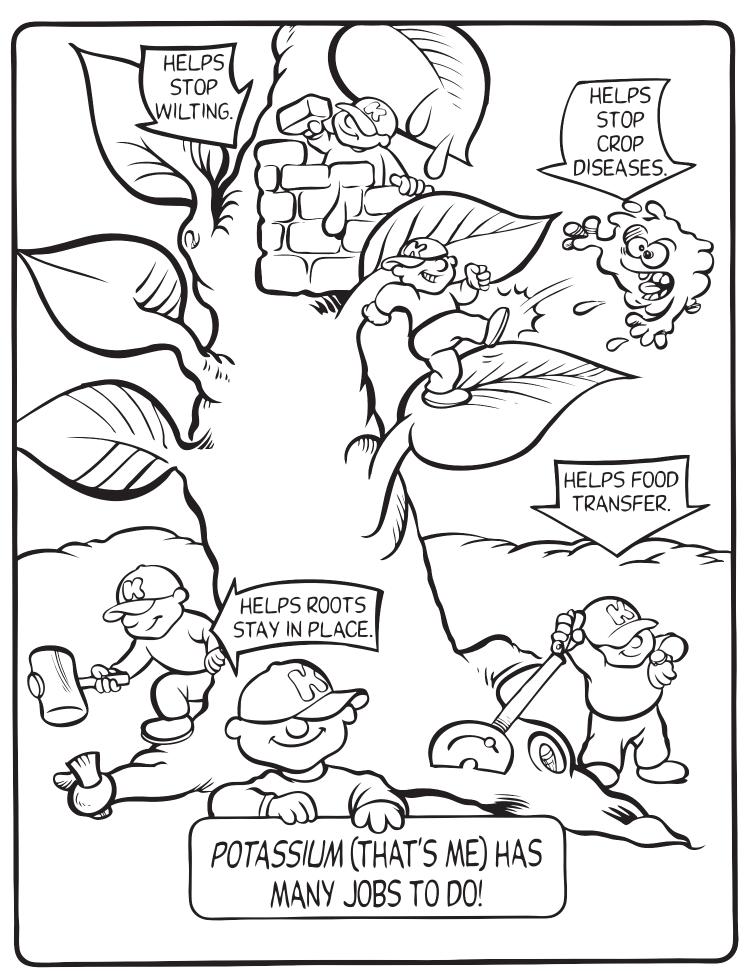


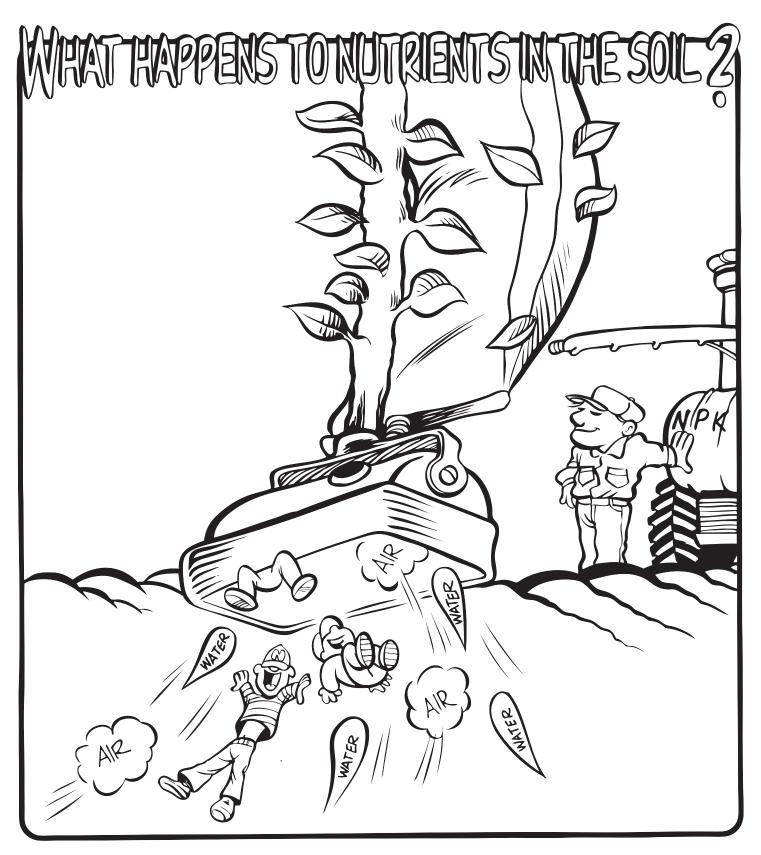






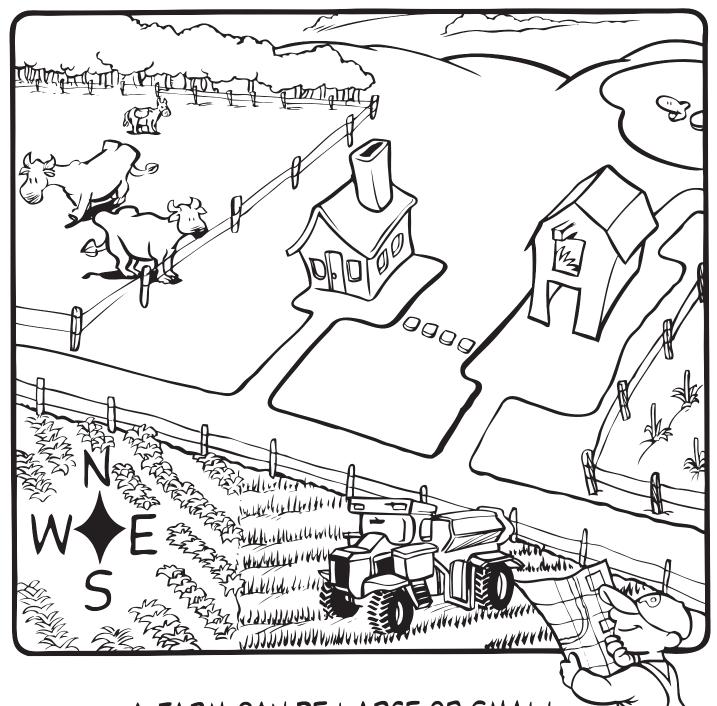






AS PLANTS GROW, HEALTHY ROOTS TAKE UP N-P-K AND OTHER NEEDED NUTRIENTS AS WELL AS AIR AND WATER FROM THE SOIL. THAT'S WHY NUTRIENTS HAVE TO BE ADDED BACK TO THE SOIL.





A FARM CAN BE LARGE OR SMALL.

THIS IS A MAP OF ONE FARM. IT HAS MANY PARTS.

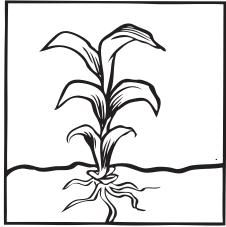
CAN YOU FIND THE POND?

HOW MANY OTHER PARTS OF THE FARM CAN YOU NAME?

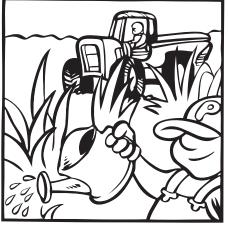
THE FARMER TAKES CARE OF HIS LAND. HE TESTS THE SOIL AND PLANTS THE SEEDS.



PLANT THE SEED



THE SEED BECOMES A PLANT.



THE PLANTS ARE WATERED AND FED.



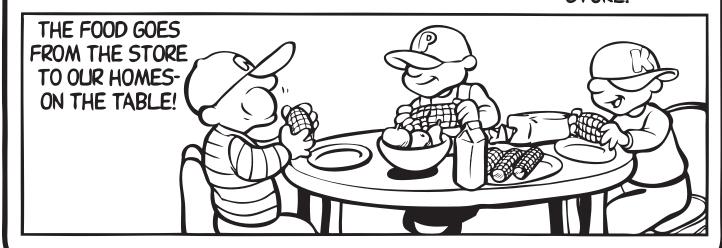
FOOD GROWS FROM THE PLANT.

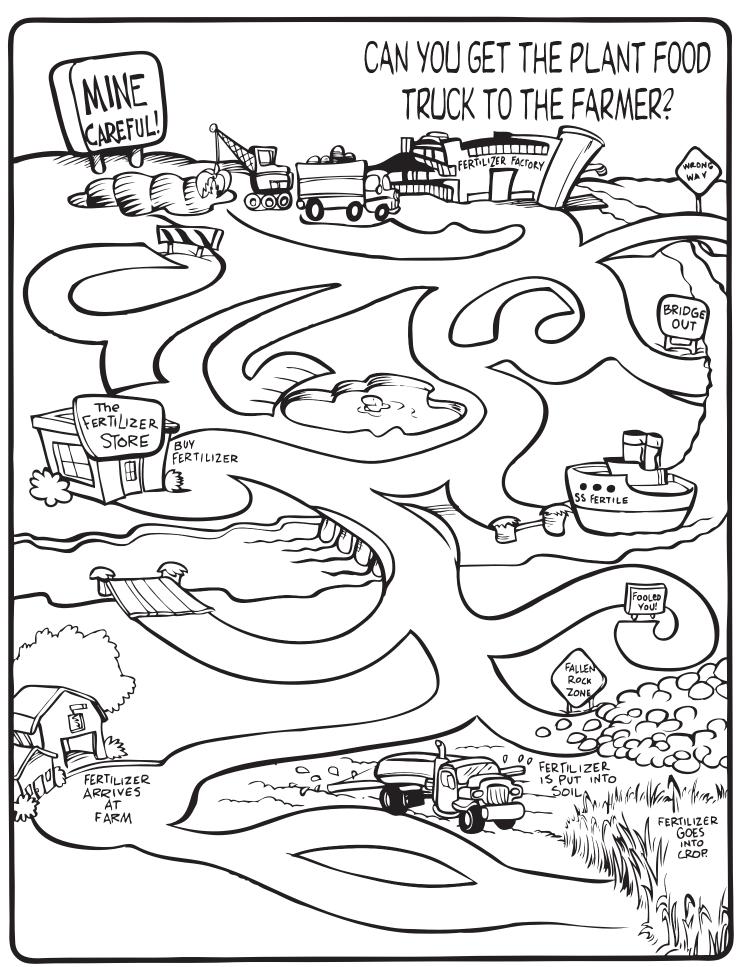


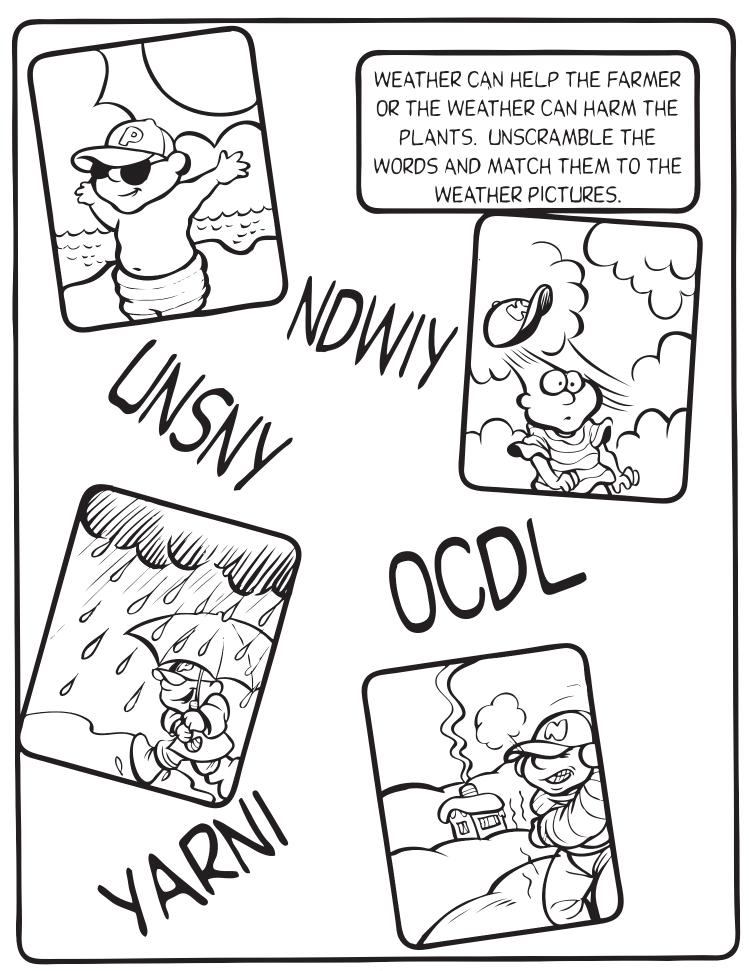
THE PLANTS ARE HARVESTED.



THE FOOD FROM THE PLANT GOES TO THE STORE.

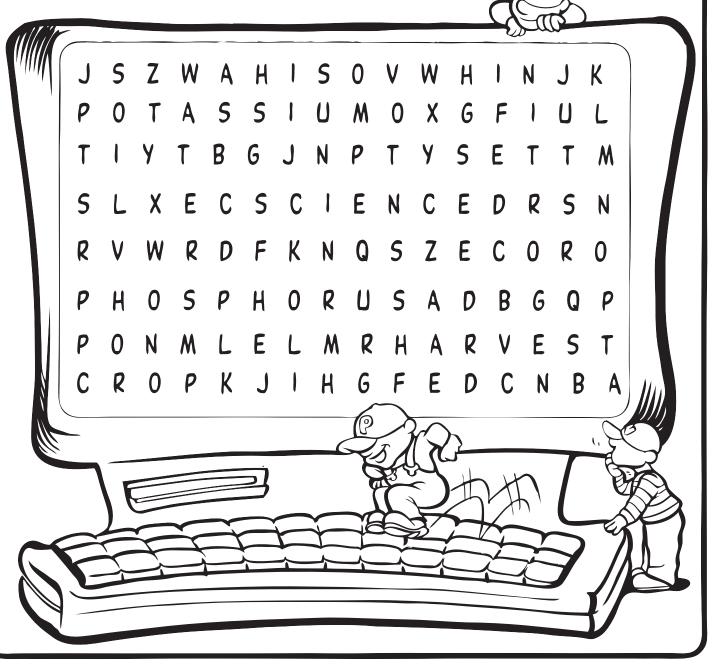


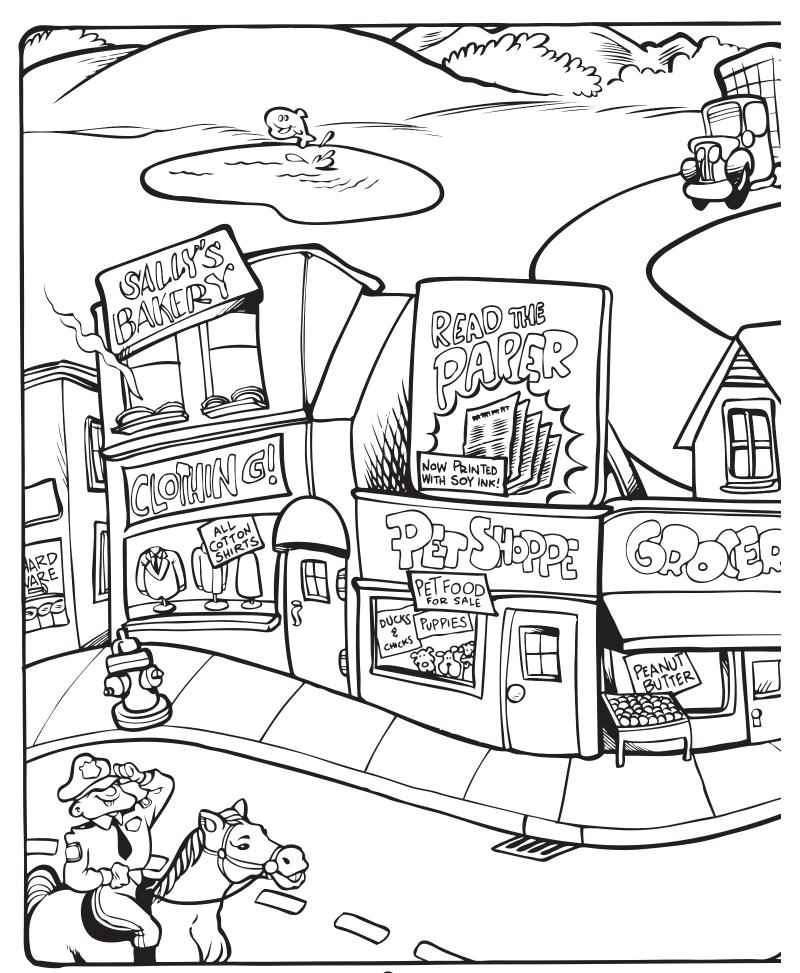




HELP US FIND THESE WORDS HIDDEN IN THE COMPUTER. THE WORDS ARE:

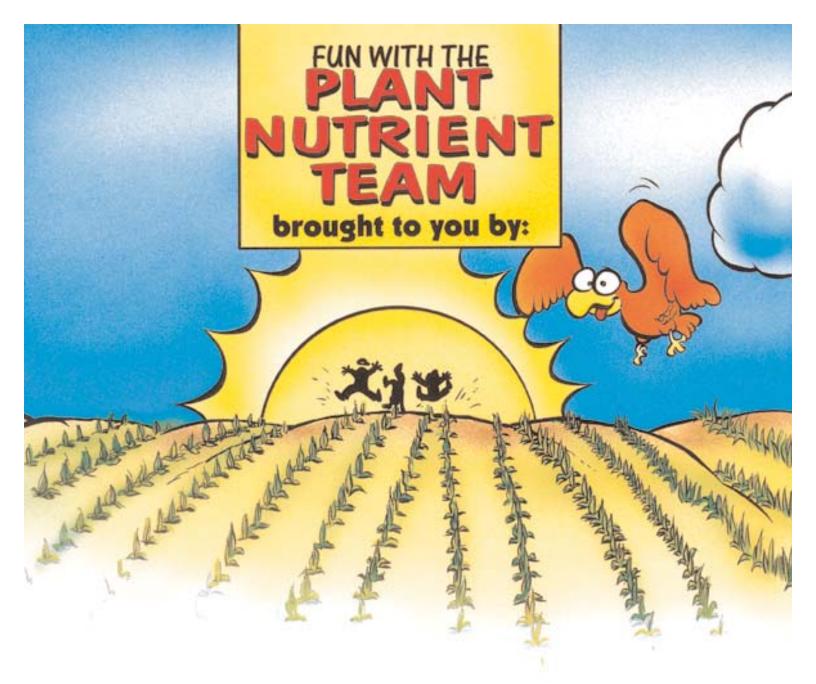
SOIL SEED POTASSIUM PHOSPHORUS NITROGEN WATER
SUN
HARVEST
CROP
SCIENCE













POTASH & PHOSPHATE INSTITUTE

Suite 110 655 Engineering Drive Norcross, Georgia, U.S.A. 30092-2837 Phone: (770) 447-0335



POTASH & PHOSPHATE INSTITUTE OF CANADA SUITE 704-CN Tower Midlown Plaza

Midtown Plaza Saskatoon, Saskatchewan S7K 1J5 Canada Phone: (306) 652-3535



FOUNDATION FOR AGRONOMIC RESEARCH

SUITE 110

655 Engineering Drive Norcross, Georgia, U.S.A. 30092-2837 Phone: (770) 447-0335