

ACROSS

1. soil, water, forests, minerals, wildlife, fish – things found in nature (two words)
4. artificial lake where water is stored
6. weathered particles that become soil
7. natural mixture of minerals, organic matter, water and air that forms land surface
9. liquid we need to live that covers most of the earth
11. loosening and movement of soil by water, ice, landslides and wind
12. science of the history of the earth

DOWN

1. “food” that helps soil grow
2. any living being (people, animals, or insects)
3. everything that surrounds us
5. wise use and protection of soil and water
8. planet we live on
10. material deposited by water, glaciers and wind

Hint: use the glossary to help solve the puzzle



GLOSSARY of soil and water terms

conservation – wise use and protection of our natural resources

ecology – science of the relationships between plants, animals and their environments

environment – everything that surrounds us

erosion – loosening and movement of soil by wind, water, ice and landslides

geology – science of the history of the earth

habitat – an area in which plants and animals live, grow and reproduce

mineral – (a natural resource) an inorganic substance with definite chemical and physical properties and definite crystal structure

natural resources – found in nature -- soil, minerals, forests, water, fish, wildlife

nutrient – something that provides nourishment for an organism to live
(it can be food or chemicals)

organic matter – plant and animal materials in different stages of decay (decomposition) that may be part of the soil

organism – a living being (people, animals and insects are all organisms)

particle – a very small piece or part of something bigger

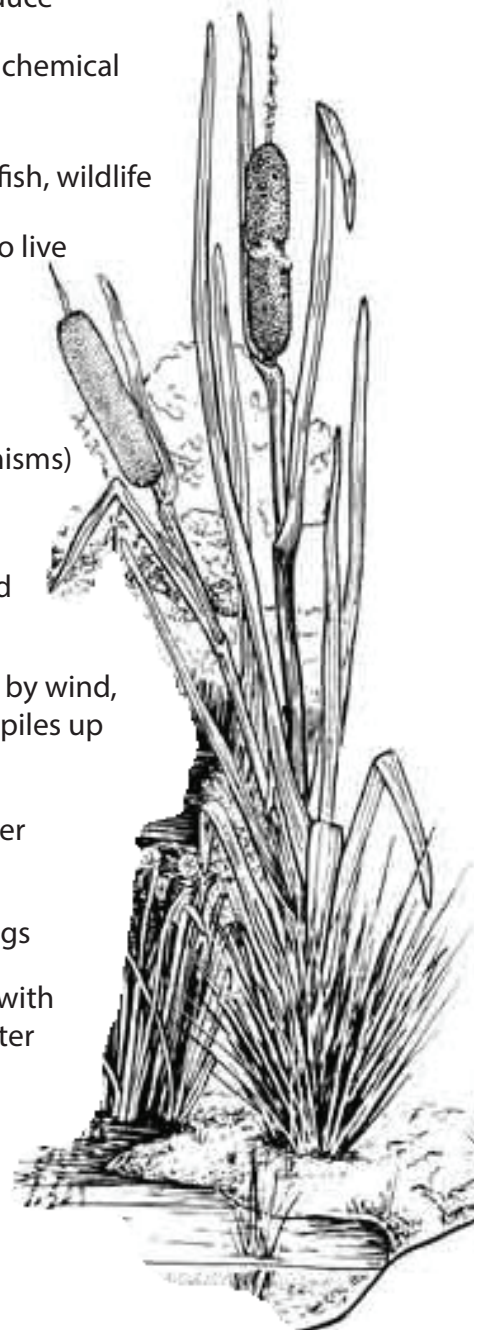
reservoir – a body of water (often a lake) in which water is collected or stored

sediment – bits of sand, soil, pebbles and other material deposited by wind, water and glaciers that washes into rivers, lakes and oceans and piles up layer on top of layer

soil – a naturally occurring mixture of minerals, organic matter, water and air that forms the surface of the land

weathering – breaking down of rock by wind, water and living things

wetlands – freshwater or saltwater areas (swamps, bogs, marshes) with waterlogged soils or that are covered with a shallow layer of water



Hidden Words In Soil

C O N S E R V A T I O N H V P
H Y S L P R B I V S W X T Q H
P A E A I S O I L Q O W O B I
X L B M I F R S B O R P U O Z
G C A I M X A V I R M L M Z G
P M S N T U T R O O S X B O W
I D I A T A L O M C N E L K C
Z W V K R S T C E S N I E O J
D X E B E E T K H C E I Y X D
X N D V E J R U C S A D I K M
F P A S S D I O F J Y V U A G
D E E S Z P B W Y K L G J I T
L Y H L E D Q A D S H X B A R
A U C Z F C Q X V I R A M L A
J O D H F P U I I F L S X Y J

ANIMALS
BIOME
CLAY
COMPOST
CONSERVATION
EROSION
FARMS

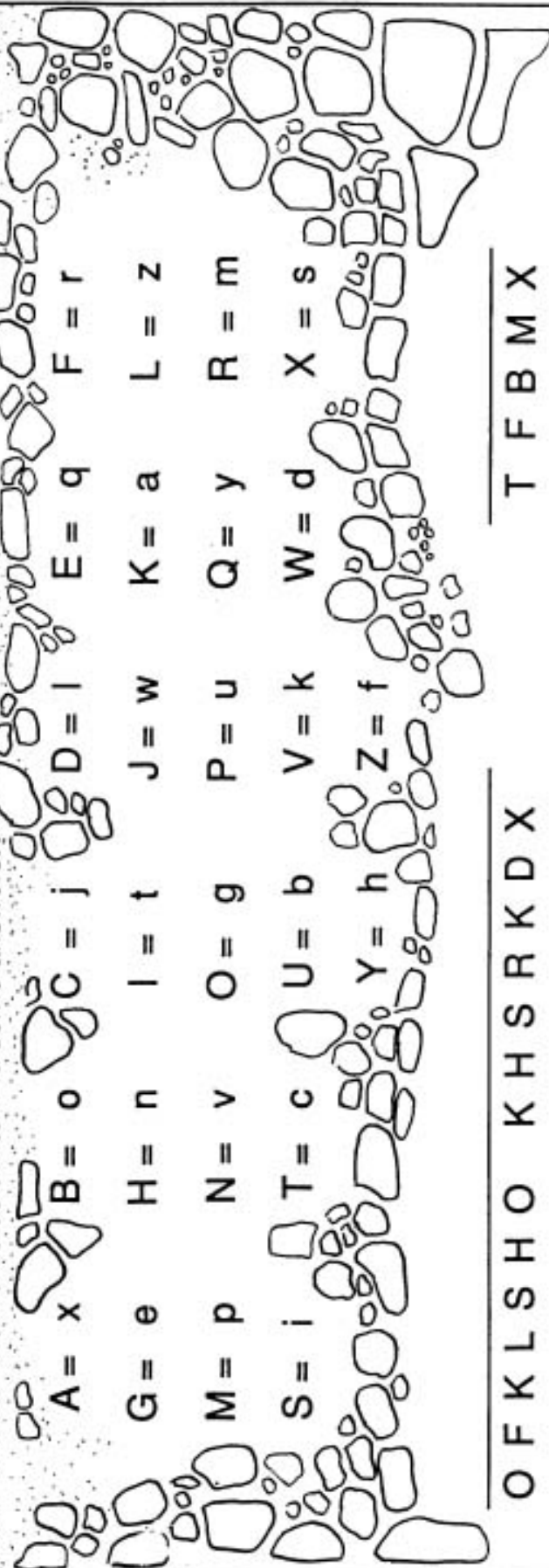
HABITAT
INSECTS
LEAVES
MULCH
PLANTS
ROCK

ROOT
SAND
SEED
SOIL
TREES
WORMS



Soil is an important natural resource. Air, water, minerals and other organic matter make up our soil. It takes one hundred to one thousand years to make one inch of soil -- that's why we need to take care of it now.

Conservation is a big job. Everyone needs to pitch in to save our soil since we all use it. What are some uses for soil? Decode the words below to find some answers:



A = x B = o C = j D = l E = q F = r

G = e H = n I = t J = w K = a L = z

M = p N = v O = g P = u Q = y R = m

S = i T = c U = b V = k W = d X = s

Y = h Z = f

O F K L S H O K H S R K D X

T F B M X

H K I P F G K F G K X

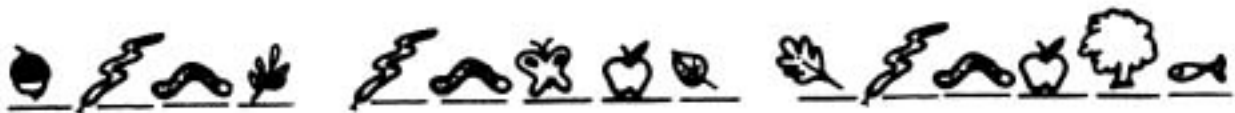
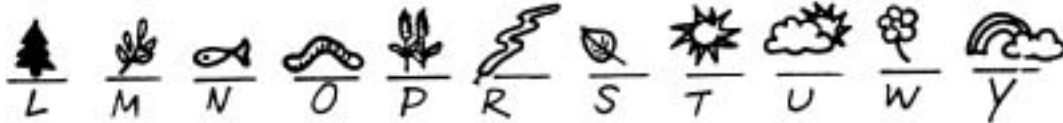
T B H X I F P T I S B H

W K S F Q B F B I Y G F Z K F R X

O K F W G H X

WEATHERING AWAY

In the coded message below, find out what helps make soil. Write the letter of each picture clue under the same picture in the puzzle.



“Soil and Water” Crossword

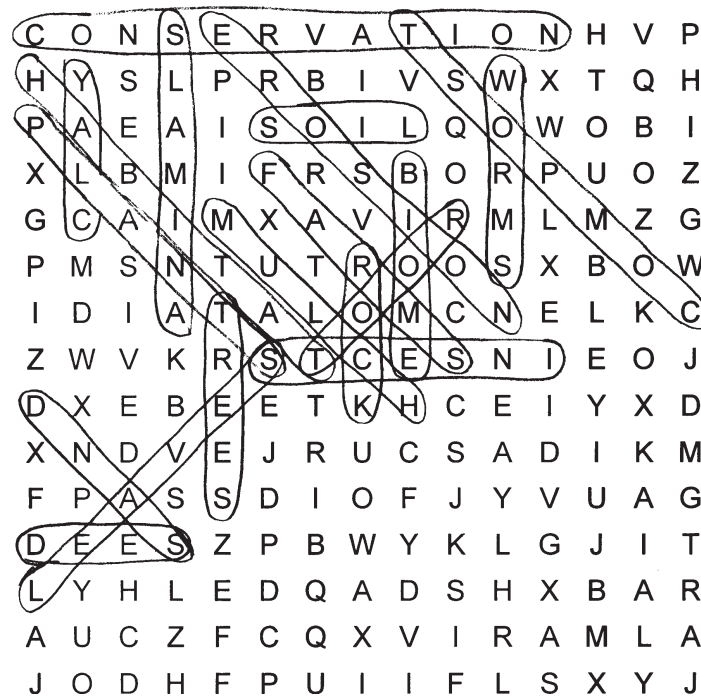
Across

1. natural resources
4. reservoir
6. rocks
7. soil
9. water
11. erosion
12. geology

Down

1. nutrients
2. organism
3. environment
5. conservation
8. earth
10. sediment

“Hidden Words in Soil” Word Search



Messages in “Soil Beneath My Feet”

GRAZING ANIMALS	CROPS
NATURE AREAS	CONSTRUCTION
DAIRY OR OTHER FARMS	GARDENS

Decoding in “Weathering Away”

SOILS FORM SLOWLY
FROM ROCKS BROKEN
DOWN BY WEATHERING
TEMPERATURE CHANGE
AND ICE HELP TO
MAKE SOIL