



Environmental Activity Book

 **hio**
Ohio Environmental
Protection Agency



Start a Garden!

A garden doesn't have to be a complex undertaking and it is a great way for families to spend time together on Earth Day. Whether it is a vegetable or flower garden, there are multiple benefits to planting a garden in one's yard. When planting a vegetable garden, people are able to enjoy foods that are grown right from their own patio or yard, cutting out the middle man and reducing the carbon footprint made by delivery trucks and trips to the grocery stores for food. Even people who live in apartments can start a small garden on their patios using recycled barrels, containers, or even window boxes. If starting a garden at one's apartment or home isn't a possibility, most cities have community gardens where people with a genuine interest in gardening may consider renting a plot or becoming a member. When gardening, avoid practices that could be harmful to the environment, such as using chemical pesticides.

Earth Day Bingo *(by August N.)*

The first person to complete three activities in a row, in a column, or diagonally wins!

Plant a tree	Pick up 5 pieces of trash in a public area	Make a small garden
Activity of your choice to help the environment	Learn to ID 5 new trees	Ride your bike somewhere instead of riding in a car (to reduce pollution)
Turn off your lights when you leave your house	Plant a flower or two	Activity of your choice to help the environment



Recycling Word Search

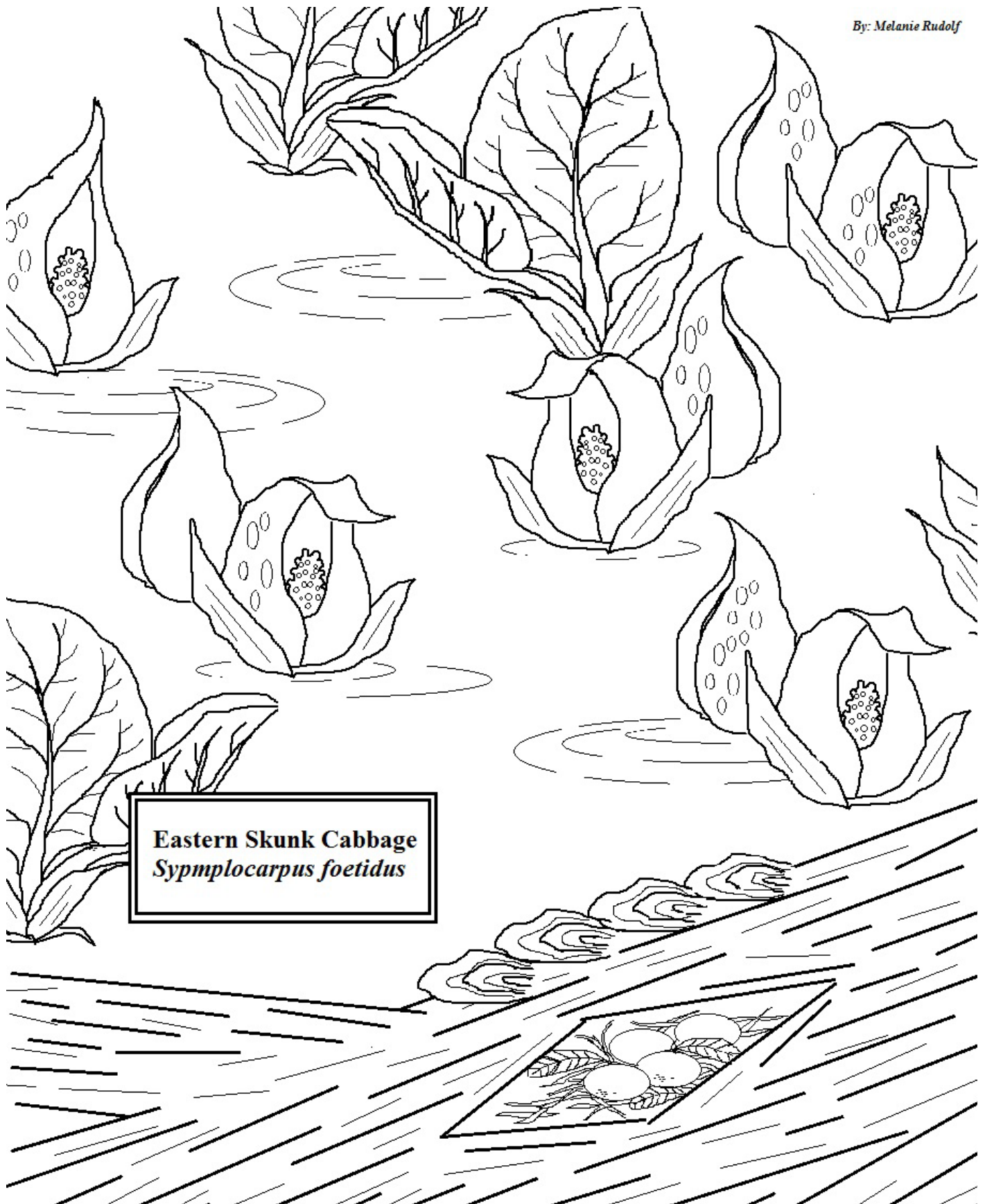
G E W V D T K X P G V G T O Z D P W N N U W E X O W M K Y N
 H S C B V N R P N Y Z B Q H D D V O K S E T E H L T R A K N
 T U F K O E Q Q A F J N G C I C I M T L V G I A R H X L A U
 K E E W D M B E A U T I F U L T S T N A L P Y E R Z S E D W
 V R B U T N N K G Q R W L O U L X M O N W C E X D T L S S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

BEAUTIFUL BLUE RECYCLE REDUCE REUSE TRASH
 TREES WATER CLEAN EARTH ENVIRONMENT PROTECT
 GREEN PLANTS OXYGEN POLLUTION



Coloring Page

By: Melanie Rudolf



Eastern Skunk Cabbage
Symplocarpus foetidus



Race to Recycle!

START



END





Water Word Scramble

Unscramble the words to learn some interesting facts about water.

1. Every ngivli thing needs water to live. _____
2. The average American uses about 50 oslgaln of water each day for personal use. _____
3. Only one percent of the water on rteha is fresh water that is available for drinking or other uses. _____
4. If water is too polluted, it might not be safe to eat the hsif you catch or to wsmi in the water. _____
5. An eqrifau is an underground area of water that collects between spaces in rocks. _____
6. A lewl is a deep hole dug or drilled below the ground surface into an aquifer to get water. _____
7. tolatunPls can seep through the soil and make ground water unsafe to drink. _____
8. Water treatment plants can remove pollutants from water so it is asfe to drink. _____
9. Drinking water can come from grduon or usrfaec water. _____
10. fnuoRf is water that naturally flows off the land, sometimes forming streams. _____
11. Soil and other pollutants are often draeopsrtnt to streams as storm water runs off the ground. _____
12. It is everyone's pesrobsiniltiy to help prevent water pollution. _____
13. Many communities get their drinking water from underground sources called an qfiuaer. _____
14. Cleaning pollution from aquifers is ycsolt. _____

Write down three things you or your family can do to help prevent water pollution.

1. _____
2. _____
3. _____



Sustainability Word Search

DIRECTIONS: Find the words from the list below. Words can be found forward, backwards, diagonal.
Some words might even overlap!

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

BOTTLES
CANS
CARDBOARD
PLASTIC
LITTER

NEWSPAPER
PAPER
TIRES
WASTE
EARTH

RECYCLABLE
LANDFILL
POLLUTION
COMPOST
DUMPSTER

REDUCE
REUSE
ENVIRONMENT
WATER
SUSTAINABILITY



Treasure Stones

This comes from the Fran DeWine & Tina Hustead Family Favorites, Gubernatorial Edition

Mix together to form a dough:

1 c flour

½ c salt

1-2 T hot water

1 c used coffee grounds

Wrap the dough around simple small toys like a plastic dinosaur or ring. Shape like rocks. Bake in a 150 degree fahrenheit oven or dry in the sun. When the kids break open the stones they find a treasure.

Recycling Fill-in the Blank

Word Bank

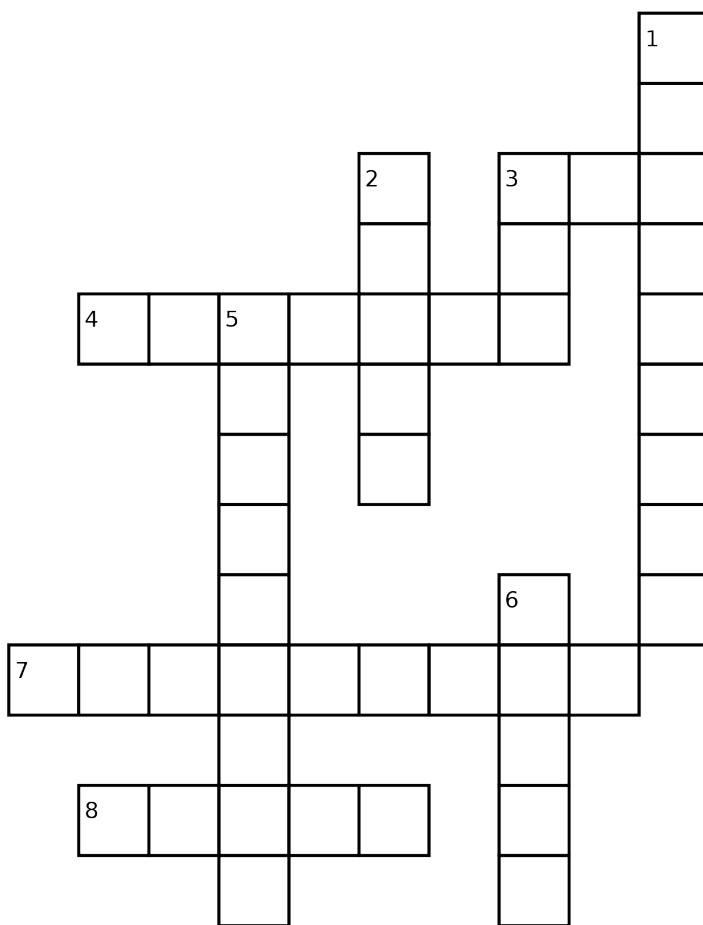
energy pollution recycle
good reduce reuse

- 1.) When you recycle, you help save _____ and reduce _____.
- 2.) Reduce, Reuse, and _____.
- 3.) _____ your waste by using less.
- 4.) You can _____ something instead of buying it new.
- 5.) Recycling is _____ for the environment!



Environmental Crossword

DIRECTIONS: Find the answers to the clues below and enter them into the puzzle



1) One tree can filter 60 lbs of _____ a year

2) This product can be recycled over and over again

3) What percentage of the Earth's water supply is usable?

5) Recycling conserves the Earth's natural _____

6) This product makes up the largest part (almost 40%) of our trash

3) Recycling 1 ton of cardboard saves 46 gals of ____

4) 75% of our _____ is recyclable, but we only recycle about 30% of it

7) Americans throw away 25 trillion _____ cups a year

8) When a glass bottle is _____ it usually means it is 90% recycled glass



Compost, Recycle, or Trash?

DIRECTIONS: Draw a line between the item and the bin it should be sorted into

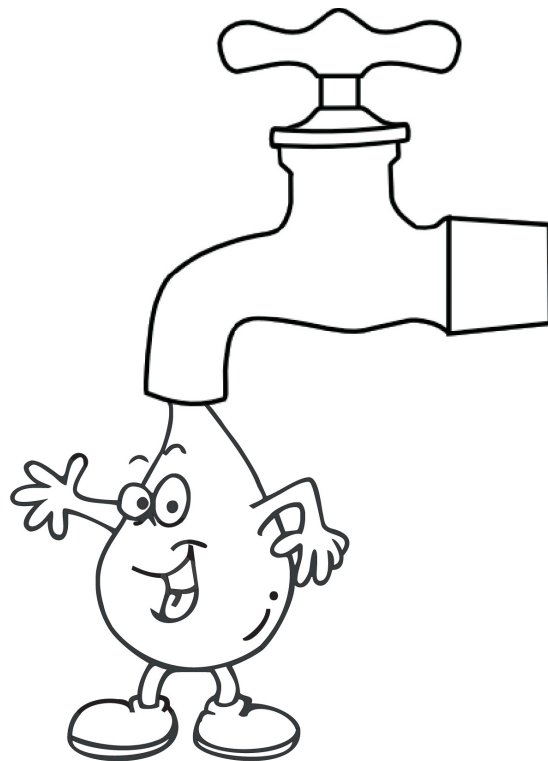




Down the Drain: How Much Water Do You Use?

Most of us don't think about how much water we use on a daily basis. Using the numbers on the right, fill in the blank to guess how many gallons of water you think you would use for the following. It may be helpful to picture a gallon of milk in your mind to help you see how much water is in a gallon.

- | | |
|--|-----------------|
| A Wash your hands? _____ | 1 15-30 gallons |
| B Brush your teeth _____
(with the water running)? | 2 0.5 gallons |
| C Brush your teeth _____
(with the water turned off)? | 3 40 gallons |
| D Take a shower? _____ | 4 1 gallon |
| E Take a bath? _____ | 5 10 gallons |
| F Flush the toilet? _____ | 6 50 gallons |
| G Get a drink? _____ | 7 1 gallon |
| H Wash the dishes by hand? _____ | 8 180 gallons |
| I Water the lawn? _____ | 9 0.25 gallons |
| J Wash the car? _____ | 10 4-7 gallons |



Here are some other interesting water usage facts.

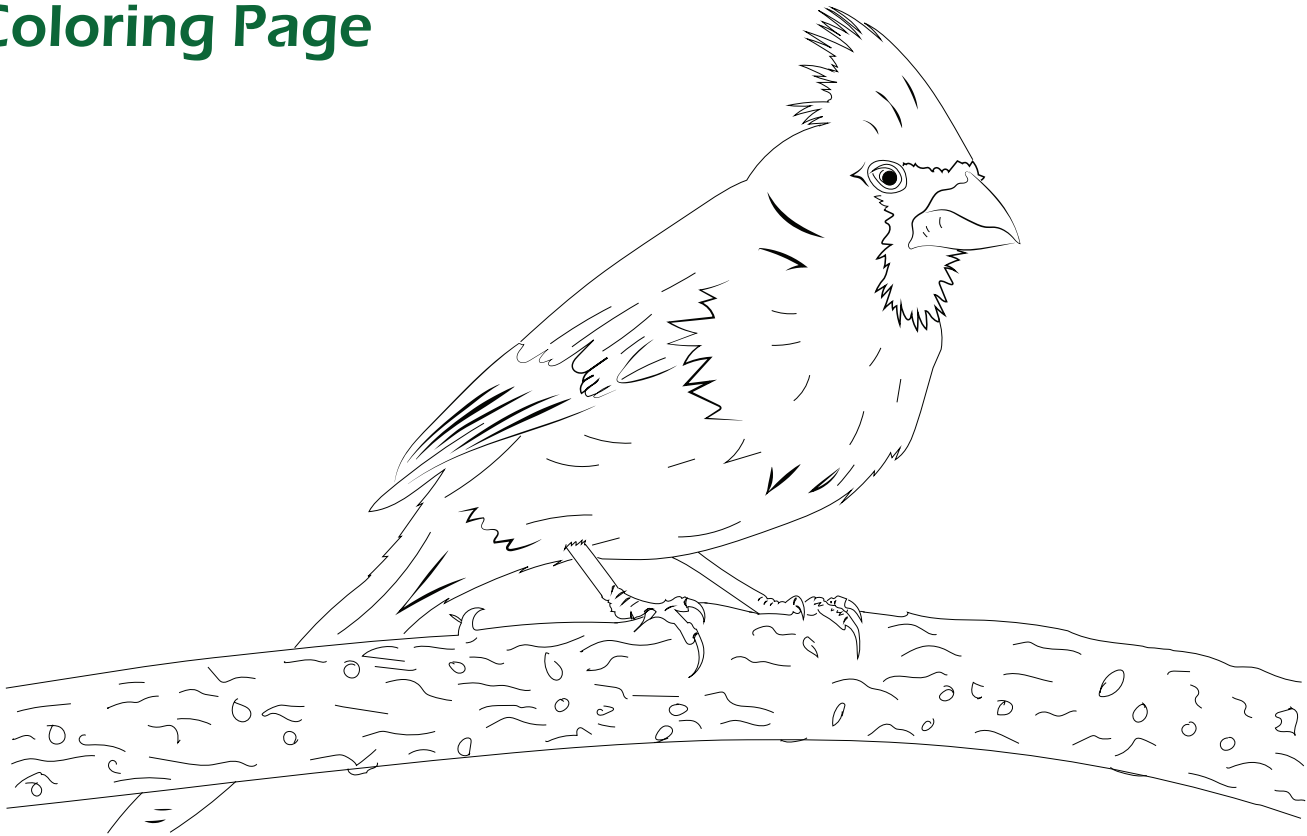
To process one can of fruit or vegetables – 9.3 gallons

To manufacture a new car and its four tires – 39,090 gallons

To produce one ton of steel – 62,600 gallons

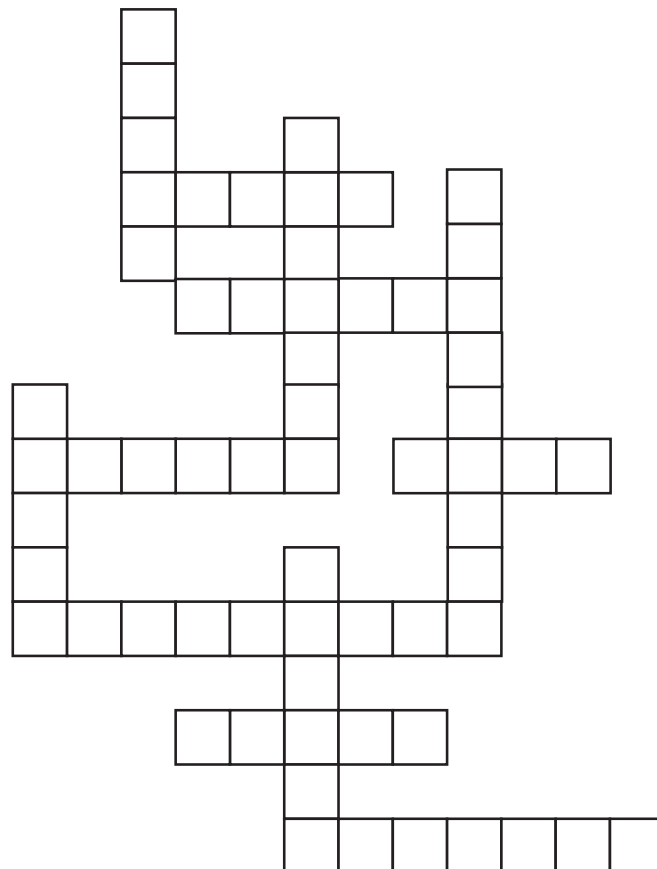


Coloring Page



Arrange the Words

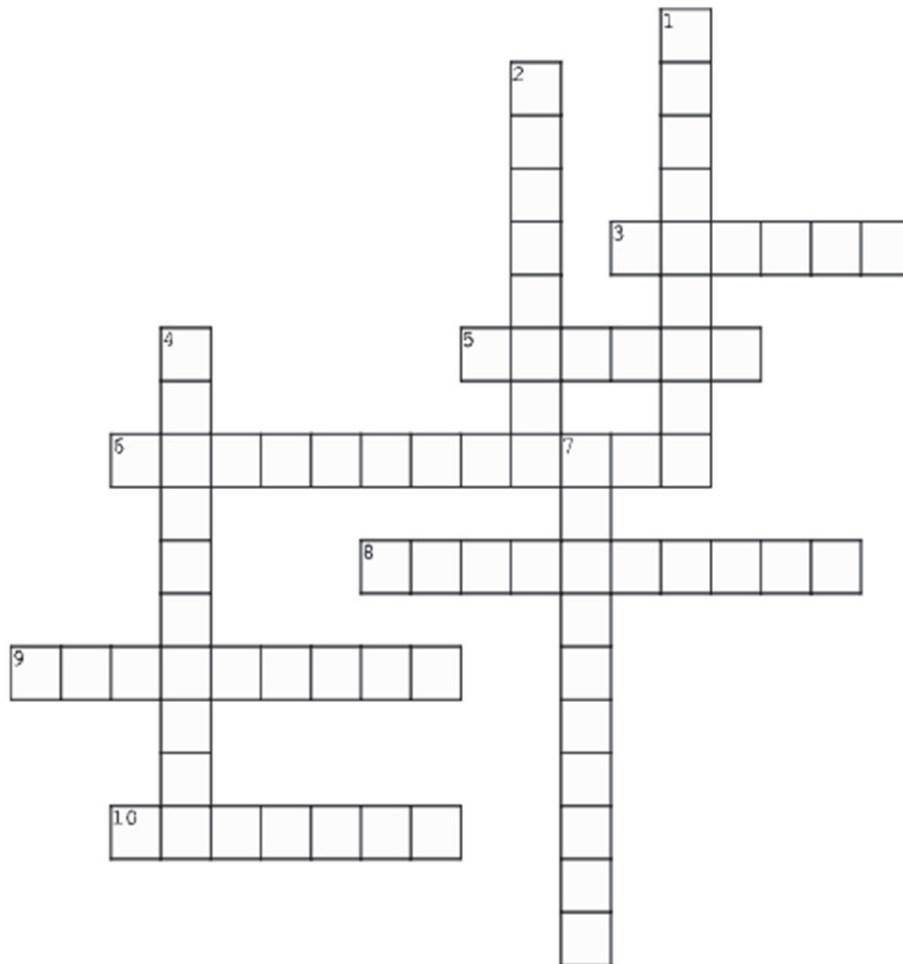
Junk
Scrap
Dross
Trash
Waste
Debris
Litter
Refuse
Rubbish
Garbage
Residuals
Sweepings





Storm Water Crossword

DIRECTIONS: Find the answers to the clues below and enter them into the puzzle



Across

- 3. water that flows overground after rainfall
- 5. the official form required by the OEPA to discharge stormwater
- 6. one type of job site regulated by the OEPA (think of where you can find a bulldozer)
- 8. area of low-lying ground adjacent to a river where flooding occurs regularly and has many benefits to stream health
- 9. an area that all surface water drains to a single point like a lake or river, also known as a drainage basin
- 10. the gradual removal of soil, usually by water

Down

- 1. something that is introduced to our rivers and lakes when water comes into contact with a contaminated surface
- 2. another name for dirt or soil, and the largest source of water pollution in Ohio
- 4. the kind of pipe that carries rainwater underground
- 7. another type of job site regulated by the OEPA (think factory or '_____ Revolution')

Word Bank

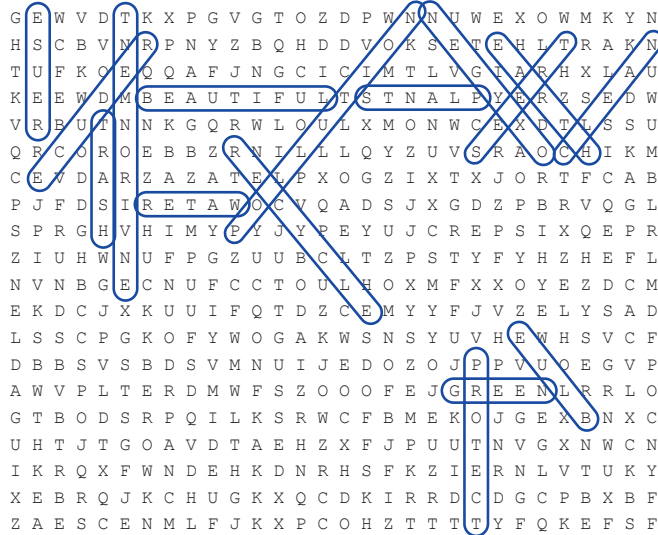
Industrial	Construction	Sediment	Erosion	Stormsewer
Permit	Floodplain	Runoff	Watershed	Pollution



Answer Key

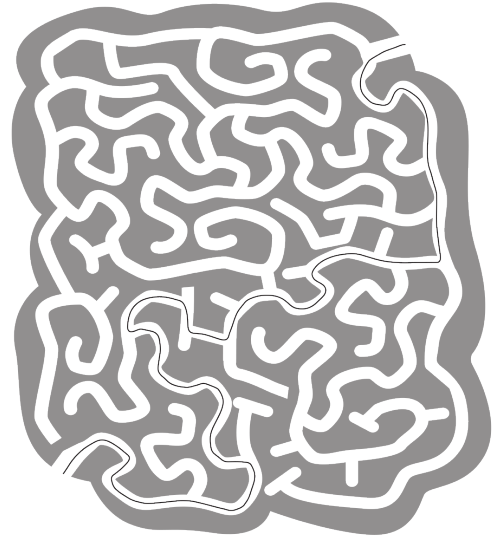
Recycling Word Search

page 3



Race to Recycle!

page 5



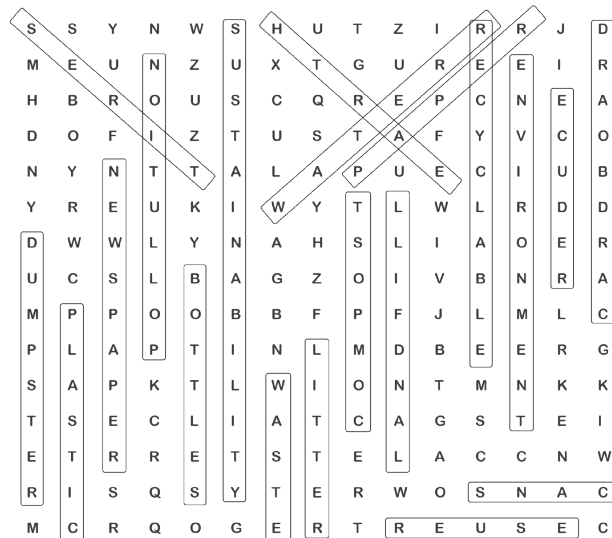
Water Word Scramble

page 6

1. living
2. gallons
3. earth
4. swim
5. aquifer
6. well
7. pollutants
8. safe
9. ground, surface
10. runoff
11. transported
12. responsibility
13. aquifer
14. costly

Sustainability Word Search

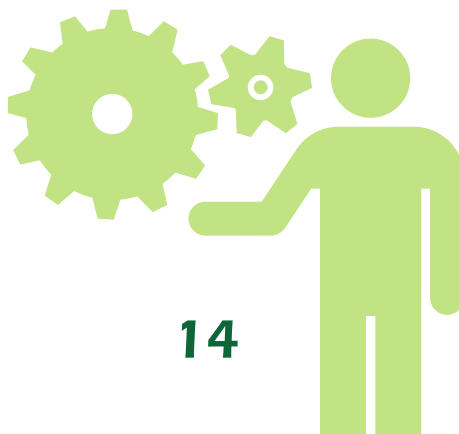
page 7



Recycling Fill-in the Blank

page 8

- 1.) energy, pollution
- 2.) recycle
- 3.) reduce
- 4.) reuse
- 5.) good



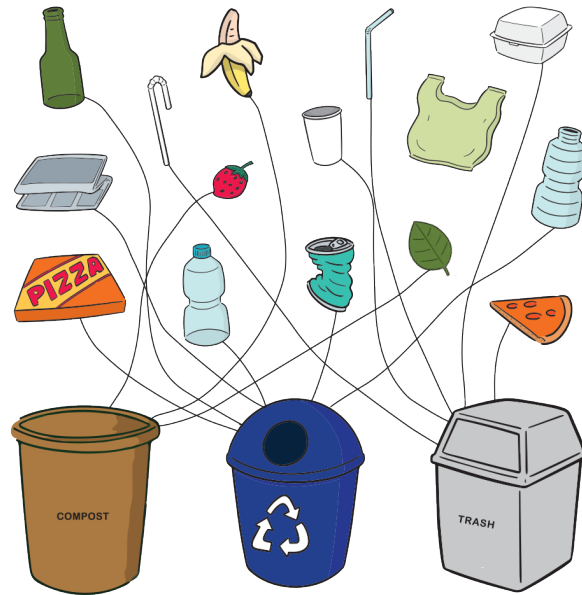


Answer Key

Environmental Crossword page 9



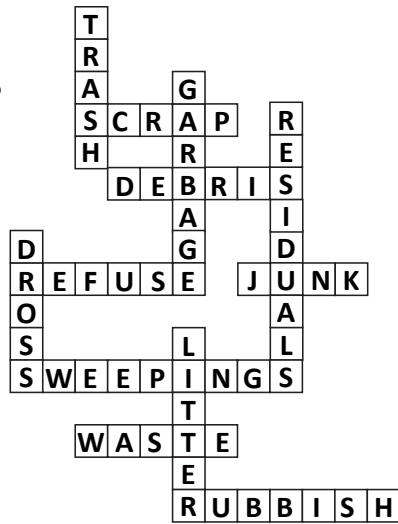
Compost, Recycle, or Trash? page 10



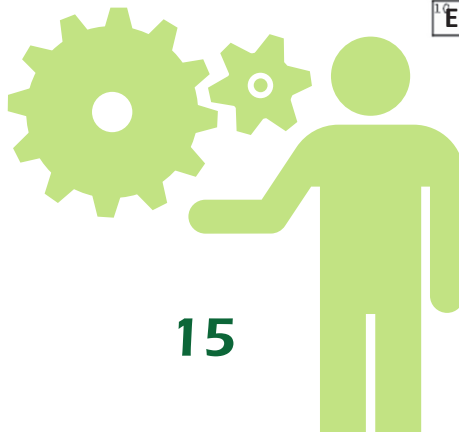
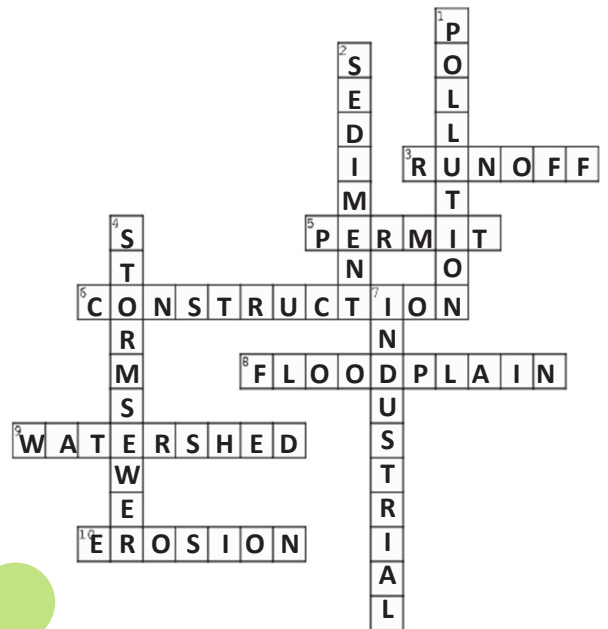
Arrange the Words page 12

Down the Drain: How Much Water Do You Use? page 11

- A. 1 gallon
- B. 1 gallon
- C. 0.25 gallons
- D. 15-30 gallons
- E. 40 gallons
- F. 4-7 gallons
- G. 0.5 gallons
- H. 10 gallons
- I. 180 gallons
- J. 50 gallons



Stormwater Crossword page 13



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