



Activity Book

Written by: Wayne Miller
Illustrated by: Grace Caroline Roberts

We hope you learn from and enjoy this
activity book by

CLEAN WATER ALABAMA

Take a photo of your favorite coloring
and send to our email at

www.cleanwateralabama.com

and we will post it on

Clean Water Alabama Facebook.

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Written by Wayne Miller

Illustrated by Grace Caroline Roberts

With two illustrations by Tessa Steele

FV9

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This book belongs to

CLEAN WATER ALABAMA

Having CLEAN WATER in ALABAMA's rivers, bays, and the Gulf of Mexico is important now and in the future! In this activity book you will learn how our WATER BECOMES POLLUTED and how you can help stop the pollution. Learn about what is being done by the non-profit organization CLEAN WATER ALABAMA.

We are focused on making Alabama's water clean. Our future with CRYSTAL CLEAN WATER is possible, but we must all work together!

Now put on your thinking cap and start working on these activities!



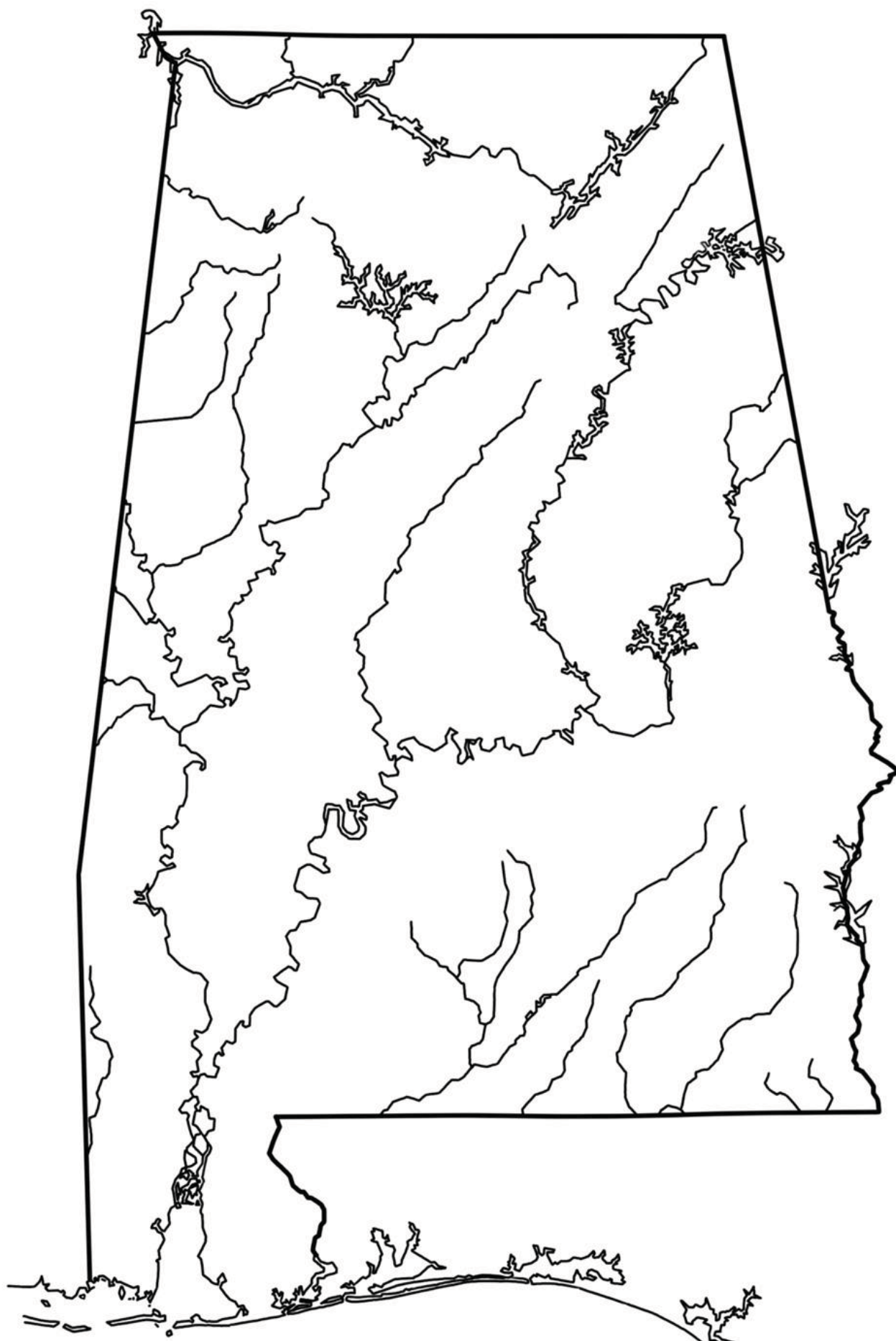
Color this cloud brown.

**This shows dirt that
washes into the bay
after a heavy storm.**

Storm Water Pollution

Storms across Alabama are pouring millions of gallons of rain water that then flows off of parking lots, buildings, roads, and homes. This fast-moving water is not being absorbed into the ground, but instead empties into our streams, rivers, and eventually into Mobile Bay and then into the Gulf of Mexico. The raging water then washes not only the topsoil off the land, but also fertilizers and pesticides. This polluted water pours into the curbs and overflows the storm water pipes, and often flows into city sewage pipes. This can lead to Sanitary Sewage Overflow (SSO) which release harmful sewage into our waterways and bay. This water is undrinkable and is toxic to the plants, animals, birds, and fish that are so abundant in our state.

On next page is an Alabama map with its rivers, lakes, and bays. Color the water blue and the land green. Label rivers and Mobile Bay.



Wildlife

Complete the Word Search with the **BOLDFACE** words.

Mobile Bay and the sky above it, and the surrounding land and beaches are abundant with millions of plants and animals and fish. When a **Jubilee** comes to the Eastern Shore **crabs** and **shrimp** can be caught by hand. There'll be **flounders** too. A flounder has both eyes on one side. This must make it easier for him to see his **mullet** friends that are always jumping out of the water. If you watch from the shore you'll see many **pelicans** flying low in search of their dinner. On the beach and swimming near the shore you'll see **ducks** and **geese**. The geese are beautiful and fun to watch, but they sure dirty the beach with their waste! If you are quiet you may even observe the long-legged **heron** and its close relative the **egret** standing among the tall grasses. Our beaches have beautiful longleaf **pine** trees full of curious **squirrels**.

j u b i l e e s d f a s a d

c r a b s e r r t y y u a r

s q u i r r e l s e g r e t

n m p i n e t r e e s f t l

v v h e r o n a q w a d v

g e e s e b n m d u c k s

f t u p e l i c a n s w k h

m u m u l l e t d a z c v l

s h r i m p f l o u n d e r

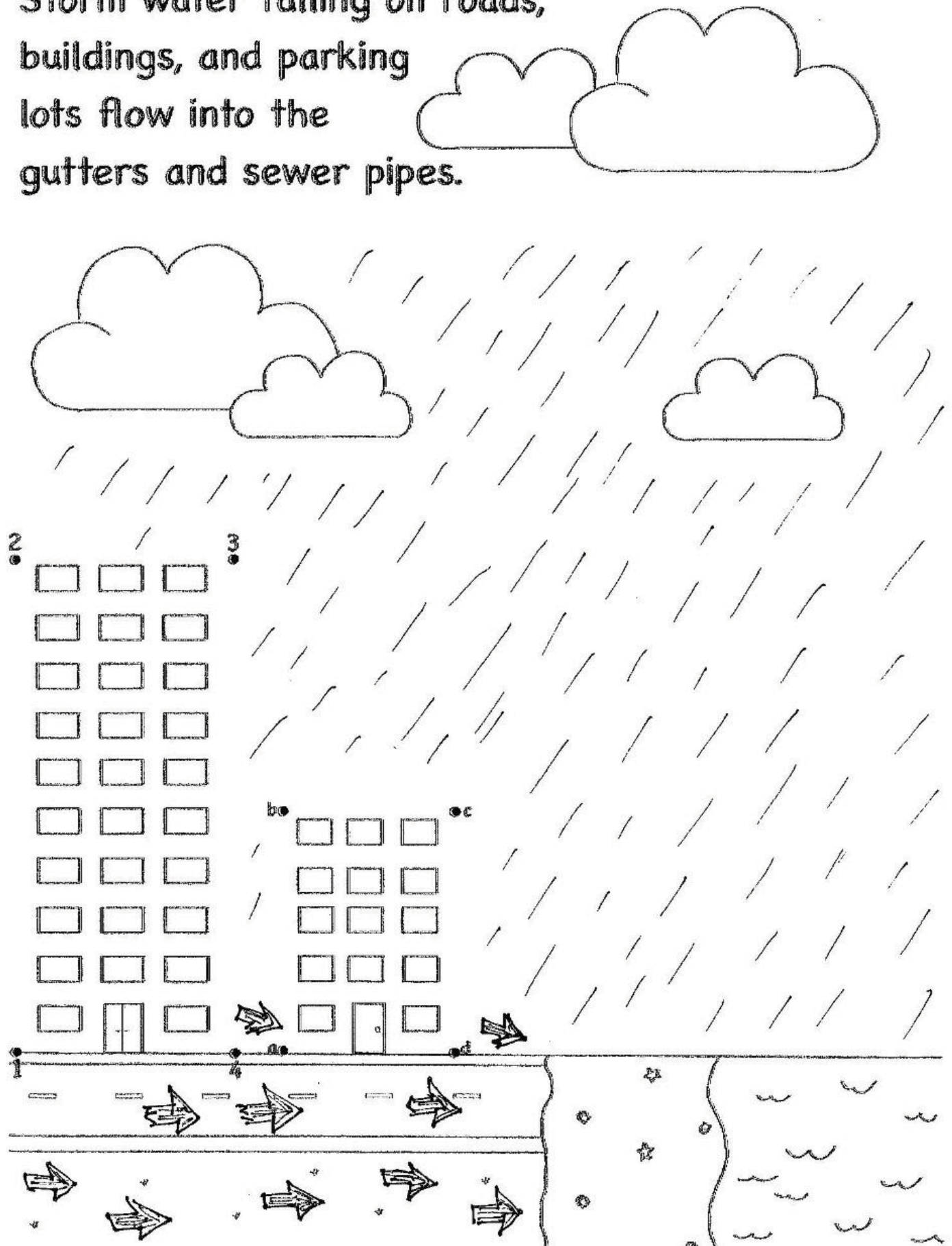
Storm Water Story

Use the list of words to fill in the blanks

lots pipes rain grow pollution

Storm Water comes when heavy _ _ _ _ falls on Alabama. The clouds in the summer build up very quickly and then pour rain on our yards, parks, buildings, and parking _ _ _ _ . The storm water that falls on grass and trees is absorbed into the ground. The storm water that falls on buildings and parking lots rushes onto gutters and storm sewer _ _ _ _ _ . Water absorbed in the soil is cleaned and helps plants _ _ _ _ , while water from sewer pipes is filled with _ _ _ _ _ _ _ _ . This polluted water harms fish and birds and other wildlife that depend on clean water

Storm water falling on roads,
buildings, and parking
lots flow into the
gutters and sewer pipes.



Activities

Complete the Word Search with the **BOLDFACE** words.

Alabama beaches are a wonderful place to spend a sunny afternoon. Families can have a **picnic** under the cool shade of a Virginia Pine tree. After eating, blankets and lawn chairs pop up on the sand near the water where kids can build **sand castles** and collect **shells** and **driftwood**. The adults **sunbathe** and **read**.

Teenagers can often be seen playing **volleyball** or **soccer**. Visitors stroll along the water's edge often picking up **litter** and then throwing it in the garbage or recycling cans. The **piers** are busy mornings, afternoons, and evenings with tourists walking and locals throwing **cast nets** to catch bait **fish**. If the wind is blowing, the **sailboats** will be skipping across the bay, but when the wind calms down the **paddleboards** and **kayaks** dot the water. As the day nears its end, the parking lots fill up with people of all ages waiting to catch the majestic **sunset**.

s u n s e t n k a y a k s w

p i c n i c s h e l l s n t

s a n d c a s t l e s d d h

d r i f t w o o d f i s h n l

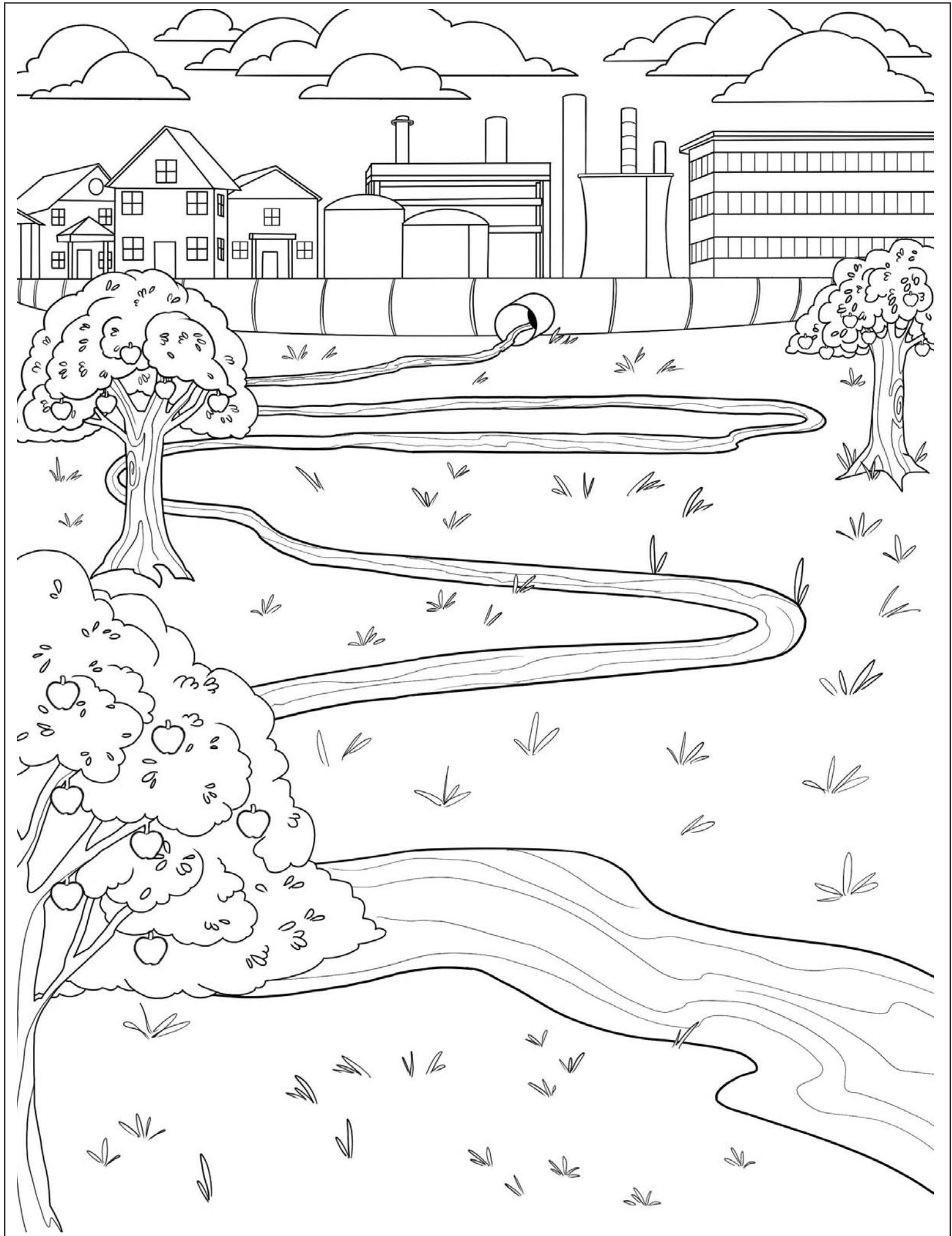
s u n b a t h e l i t t e r y

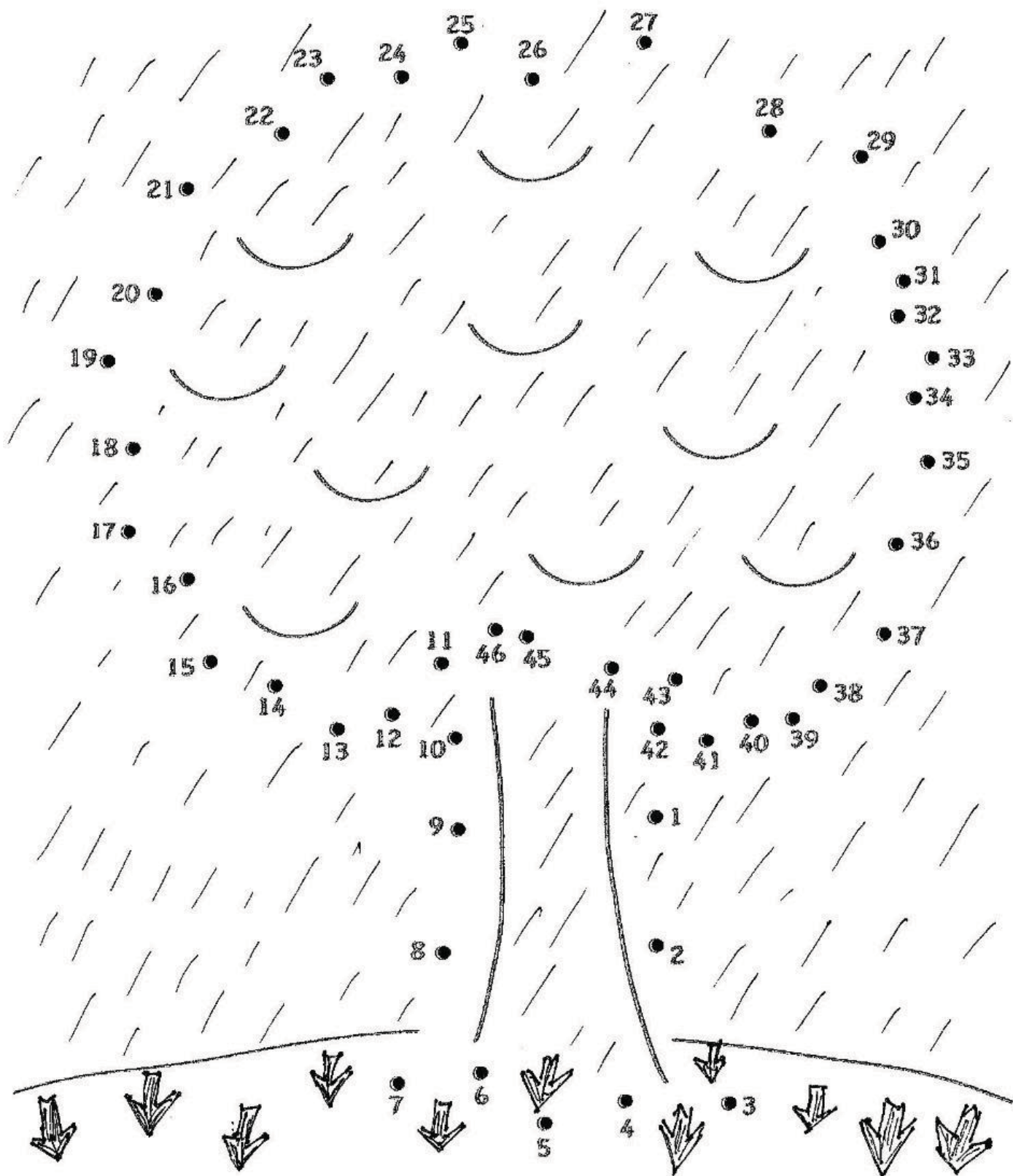
v o l l e y b a l l p i e r s

s o c c e r c a s t n e t s

p a d d l e b o a r d h h d

a s a i l b o a t r e a d f





Storm water falling on trees and grass goes into the soil and helps plants grow.

Pollution at our Beaches

Complete Word Search using the **BOLDFACE** words.

Mobile Bay can be a wonderful place to spend an afternoon, but the water is often polluted and getting worse every day. The **trash** continues to find a way into this water when people, homes and businesses along the bay are careless in disposing of their trash. The beaches have pieces of broken **glass**, plastic **bottles** and **straws**, and **cans** on them. Many people that fish drop **fishing line** and hooks off the piers. **Plastic bags** from fast food lunches often are left near garbage cans or on the roads. All of these items dirty our bay and beaches. Instead of adding to the **litter**, everyone needs to help pick up the trash we see and throw it into garbage or recycling cans!

g l a s s d s e w a g e r t

n m b o t t l e s f t j r d s

s l i t t e r n s t e f r h

s t r a w s c a n s v m m j

s p l a s t i c b a g s e w e

c d f i s h i n g l i n e t y l

g o o s e t o h p l u y p

c i g a r e t t e b u t t s u

Hi kids,

I just got back from a scavenger hunt on the beach. The breeze was blowing off the bay and beautiful flowers called Morning Glories were opening on the sand dunes. I took an old bag and picked up litter. I found lots of plastic bottles and spoons and forks. There were soda cans, napkins and old cups. With a parent or an adult helping, clean the beach while you walk. Be safe and wear gloves or use a grabber to pick up the dirty trash. Use the list on the next page and pick up as many of the items that you can see. Throw them away when you get home. Next time you go to the beach look for the guy with the yellow hat who is picking up litter.

Your friend,

Coach

Scavenger Hunt

Walk through your neighborhood or go down to the beach with an adult and look for these items that litter our land and water.

Use a grabber or wear gloves to stay safe. Pick them up and throw in a garbage or recycling can.

cans plastic bottles and their caps

plastic bags carry-out styrofoam containers

soda cups plastic spoons or forks

*Remember pollution comes
in many ways!*

In the water

On the ground

In the air



www.CleanWaterAlabama.org

Engaging citizens, business & government
to protect our waterways, ensuring safe
Clean Water in Alabama.



CleanWaterAlabama.org

A 501(c)3 non-profit.

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