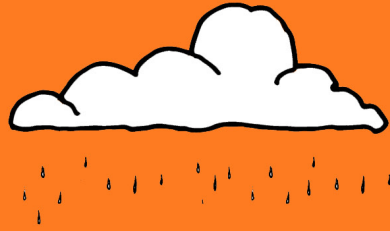
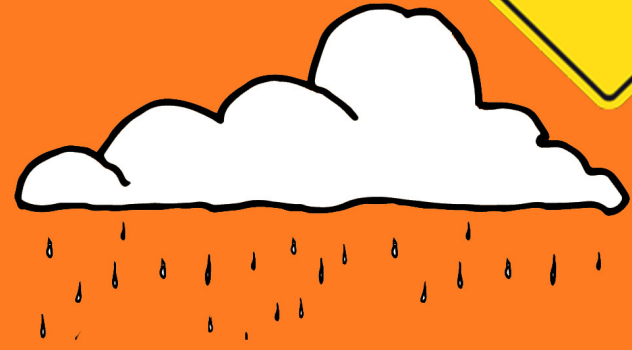


IT'S



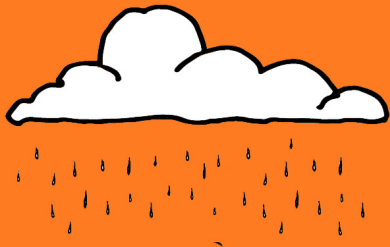
ALWAYS



RAINING

IN

NEW ORLEANS

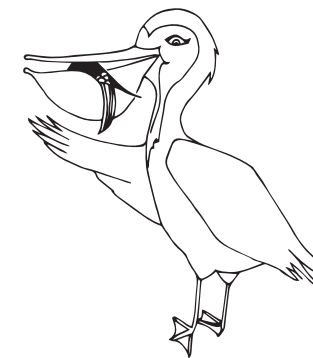


a children's guide to storms

# DEAR NEW ORLEANS

We at NOLA ready, the city of New Orleans' hub for emergency preparedness, believe that we must all be prepared and ready together. This coloring book was created to showcase the oft-hidden structures and emergency preparedness processes that make day-to-day life possible living in a deltatic coastal city where it rains *a lot*. With this coloring book, we can inform and guide the next generation of New Orleans to be our city's future leaders, and be #ReadyYearRound for emergencies. Help us spread the word! Tell a family member, friend, or neighbor what you do to prepare for emergencies. Because, when we're together, we're ready for whatever may come our way.

A hurricane is forming over the ocean! Pearl and her family sit down to go over their family communication plan. Fill out with your family to have in an emergency.



**MY FAMILY COMMUNICATION PLAN**

My Name \_\_\_\_\_

My Address \_\_\_\_\_

My Telephone Number \_\_\_\_\_

Meeting Place \_\_\_\_\_

**FAMILY INFORMATION**

Work Number \_\_\_\_\_

Cell Number \_\_\_\_\_

Email \_\_\_\_\_

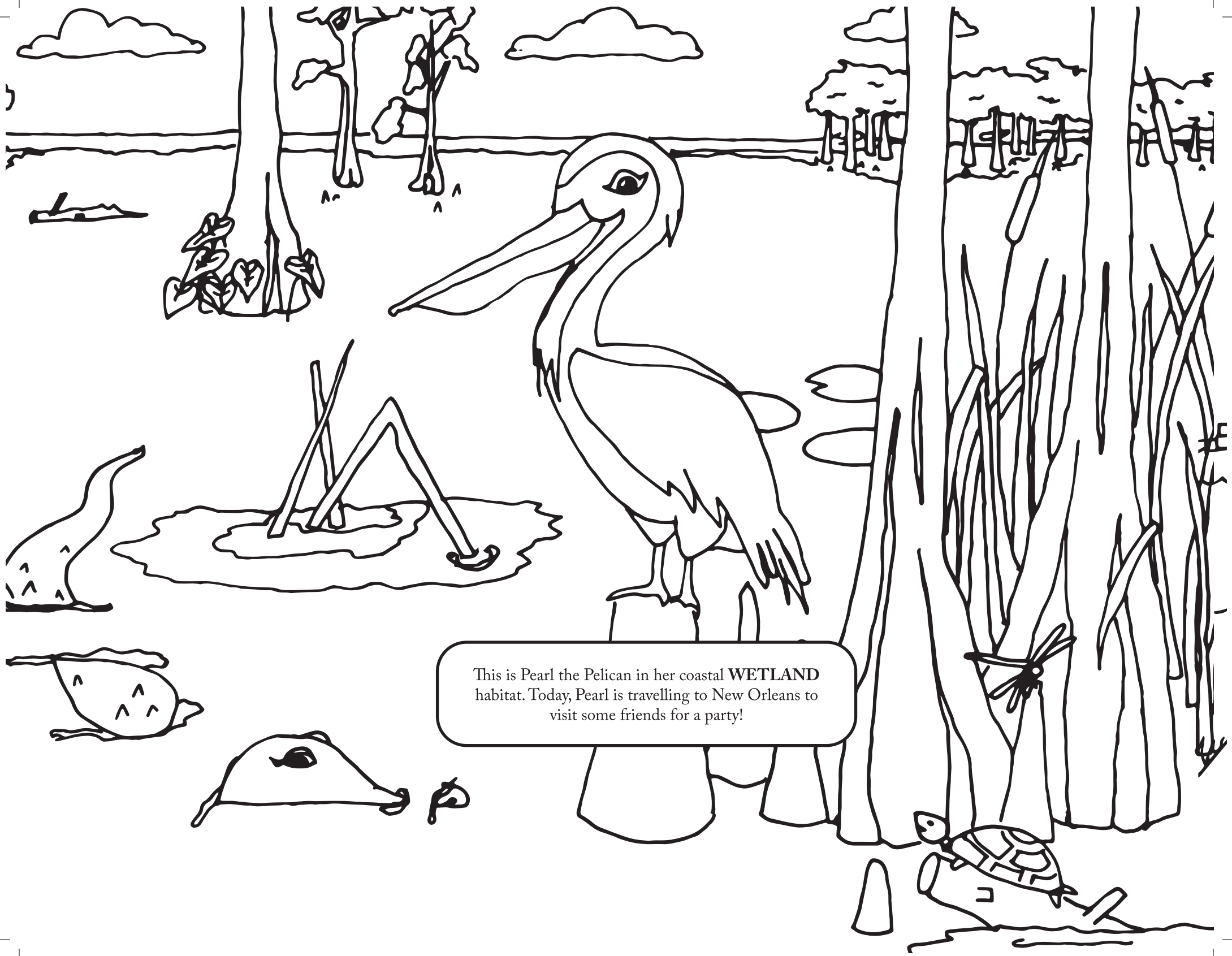
Neighbor/Relative name and number \_\_\_\_\_

\_\_\_\_\_

Out of town contact name and number \_\_\_\_\_

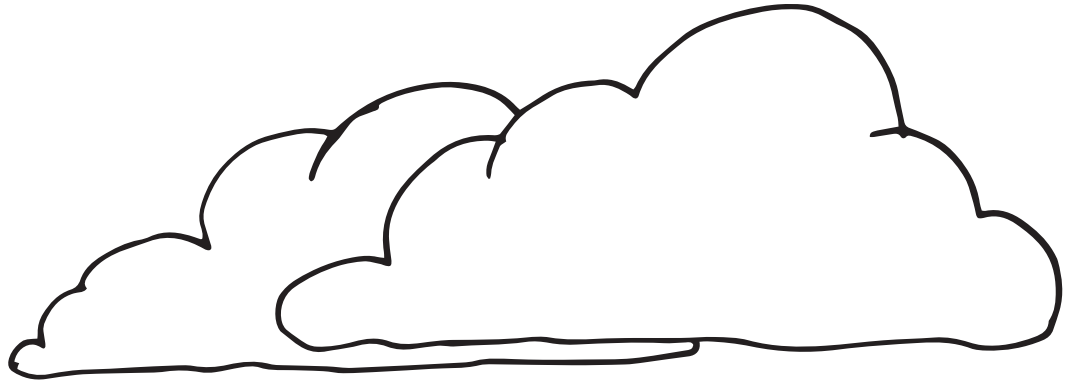
\_\_\_\_\_

**Always remember to dial 911 in emergencies**

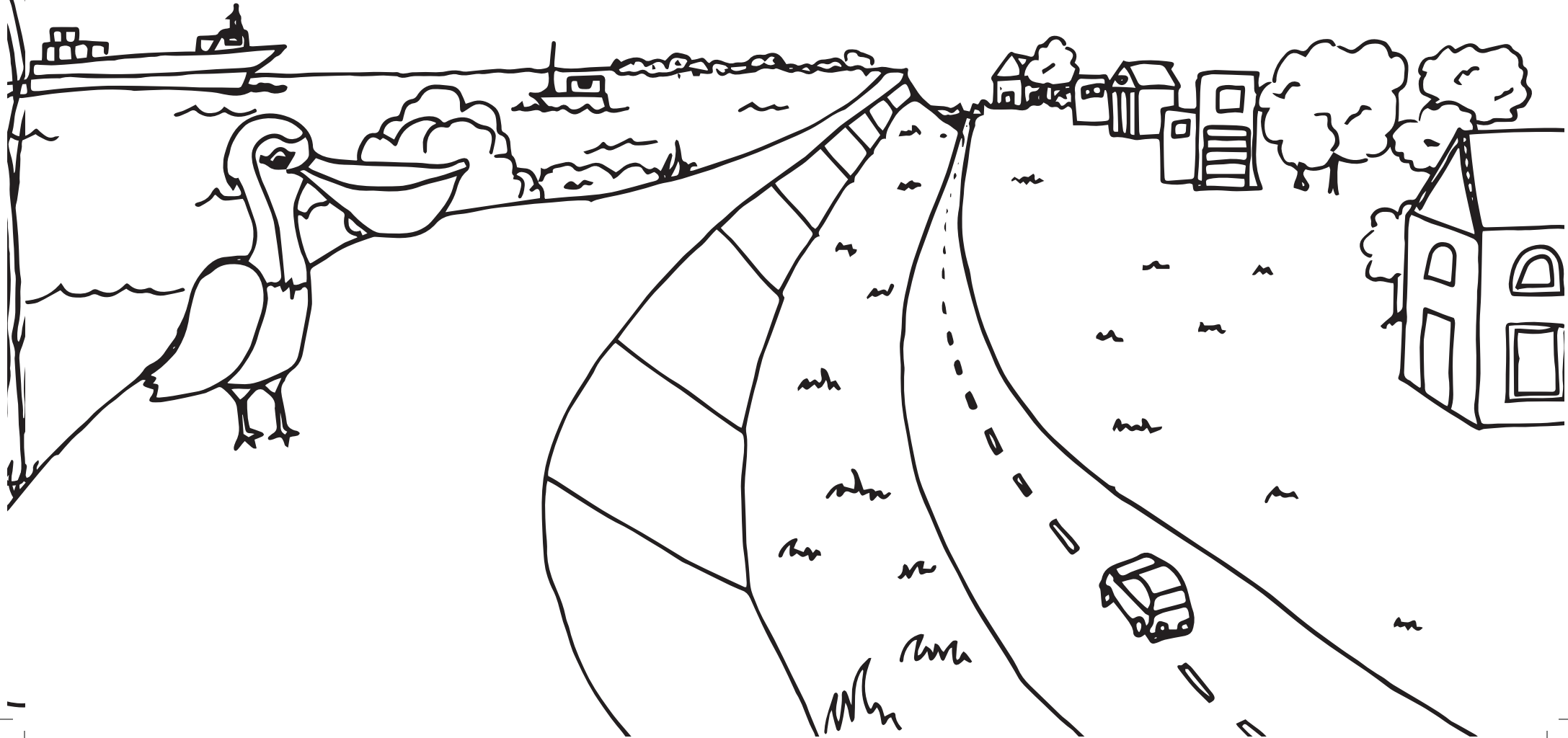


This is Pearl the Pelican in her coastal **WETLAND** habitat. Today, Pearl is travelling to New Orleans to visit some friends for a party!



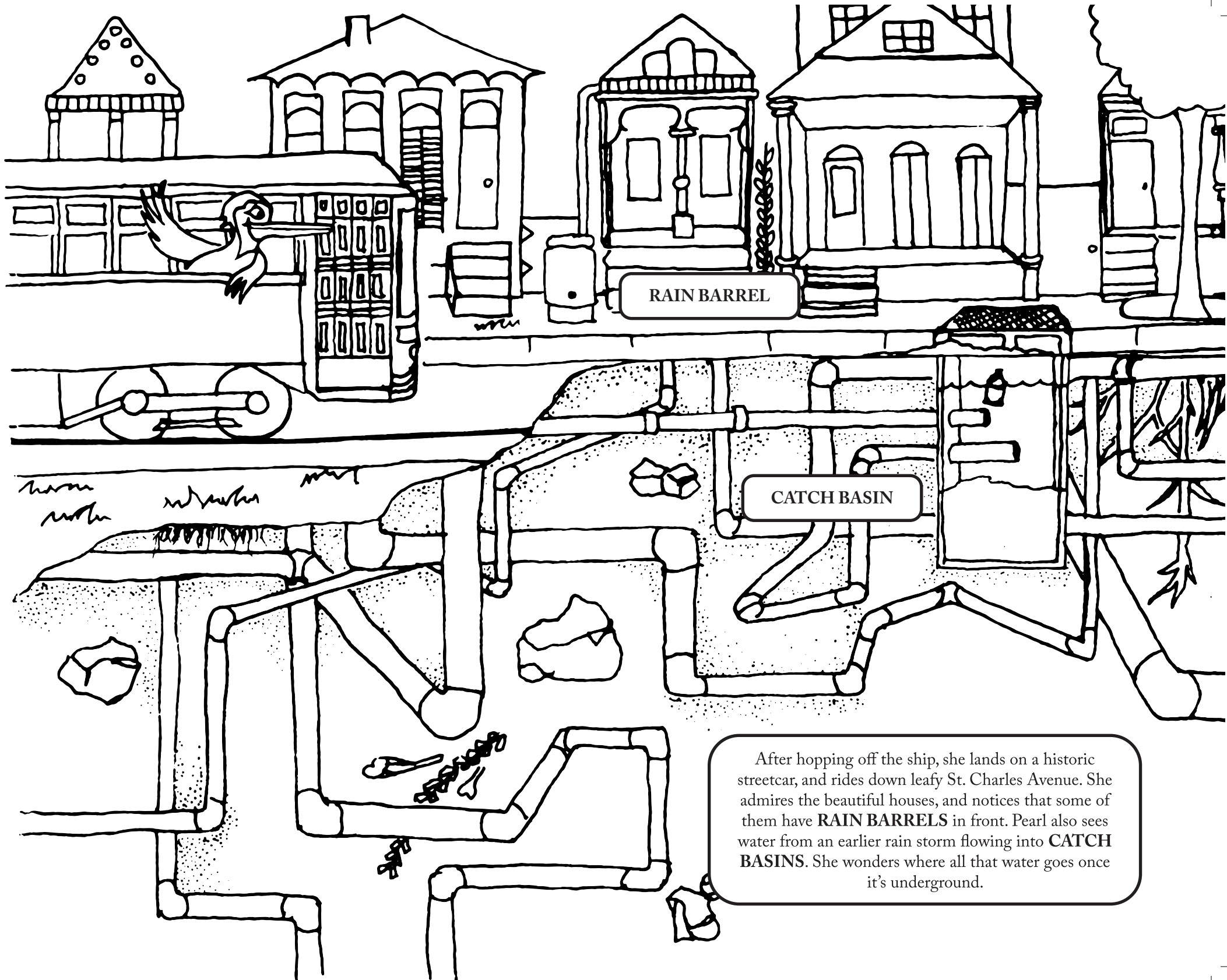


As she follows the bayous upstream, she pauses on top of one of the many **LEVEES** that protect Louisiana towns and cities for a quick break.





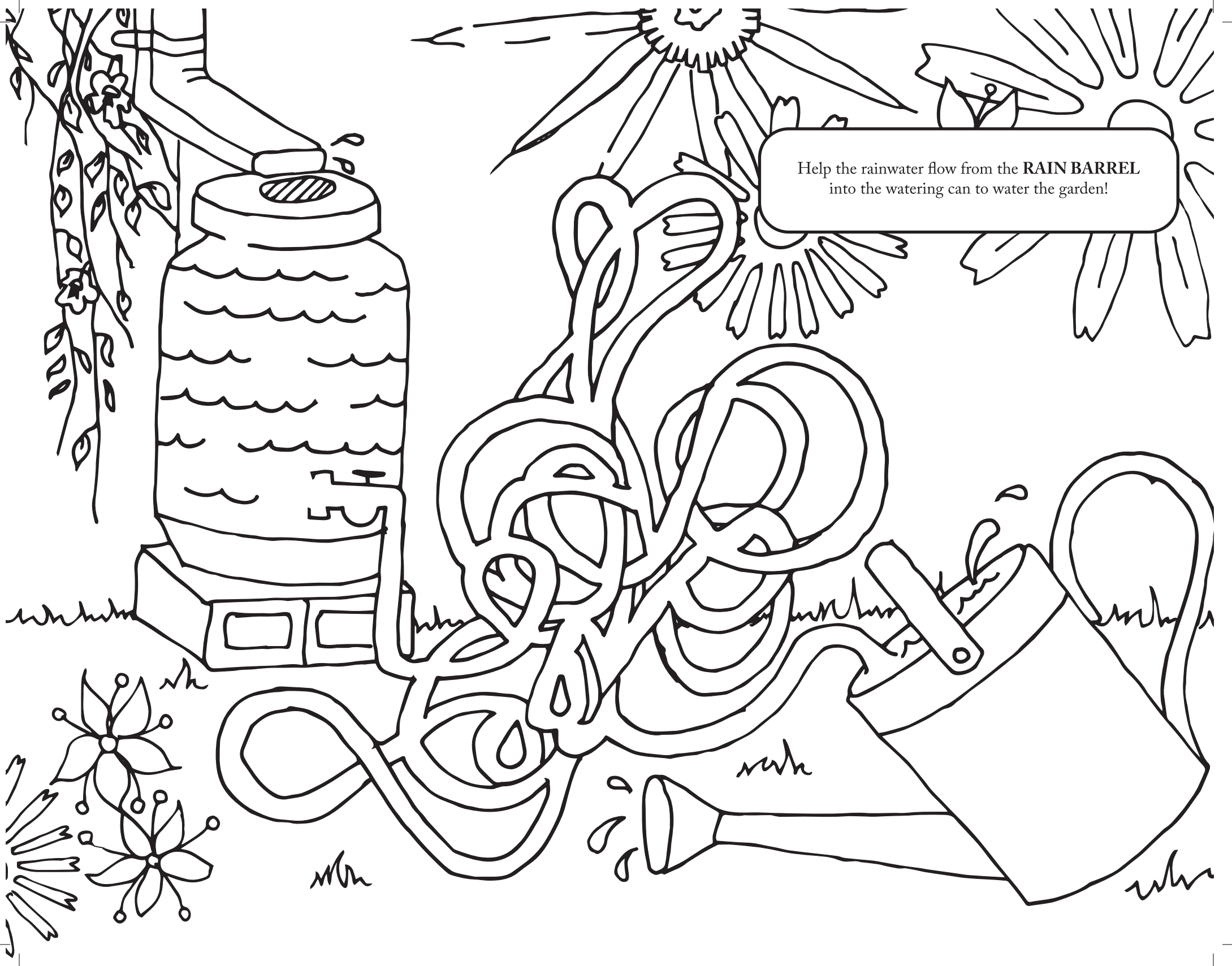
And as she approaches the city, she catches a ride on the bow of a big **CONTAINER SHIP**, which docks in the **PORT OF NEW ORLEANS**.



RAIN BARREL

CATCH BASIN

After hopping off the ship, she lands on a historic streetcar, and rides down leafy St. Charles Avenue. She admires the beautiful houses, and notices that some of them have **RAIN BARRELS** in front. Pearl also sees water from an earlier rain storm flowing into **CATCH BASINS**. She wonders where all that water goes once it's underground.



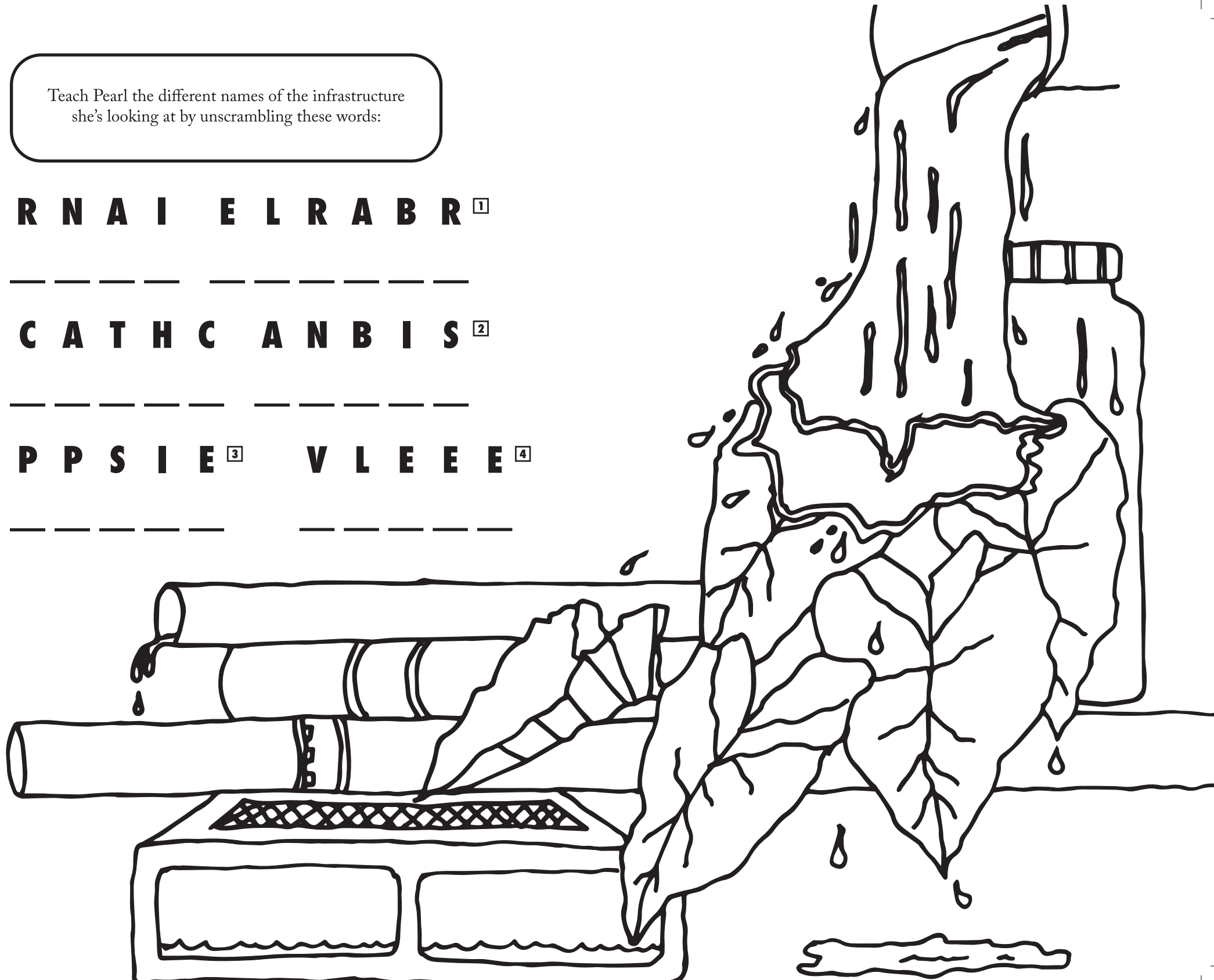
Help the rainwater flow from the **RAIN BARREL** into the watering can to water the garden!

Teach Pearl the different names of the infrastructure she's looking at by unscrambling these words:

**R N A I E L R A B R** <sup>1</sup>

**C A T H C A N B I S** <sup>2</sup>

**P P S I E** <sup>3</sup>      **V L E E E** <sup>4</sup>

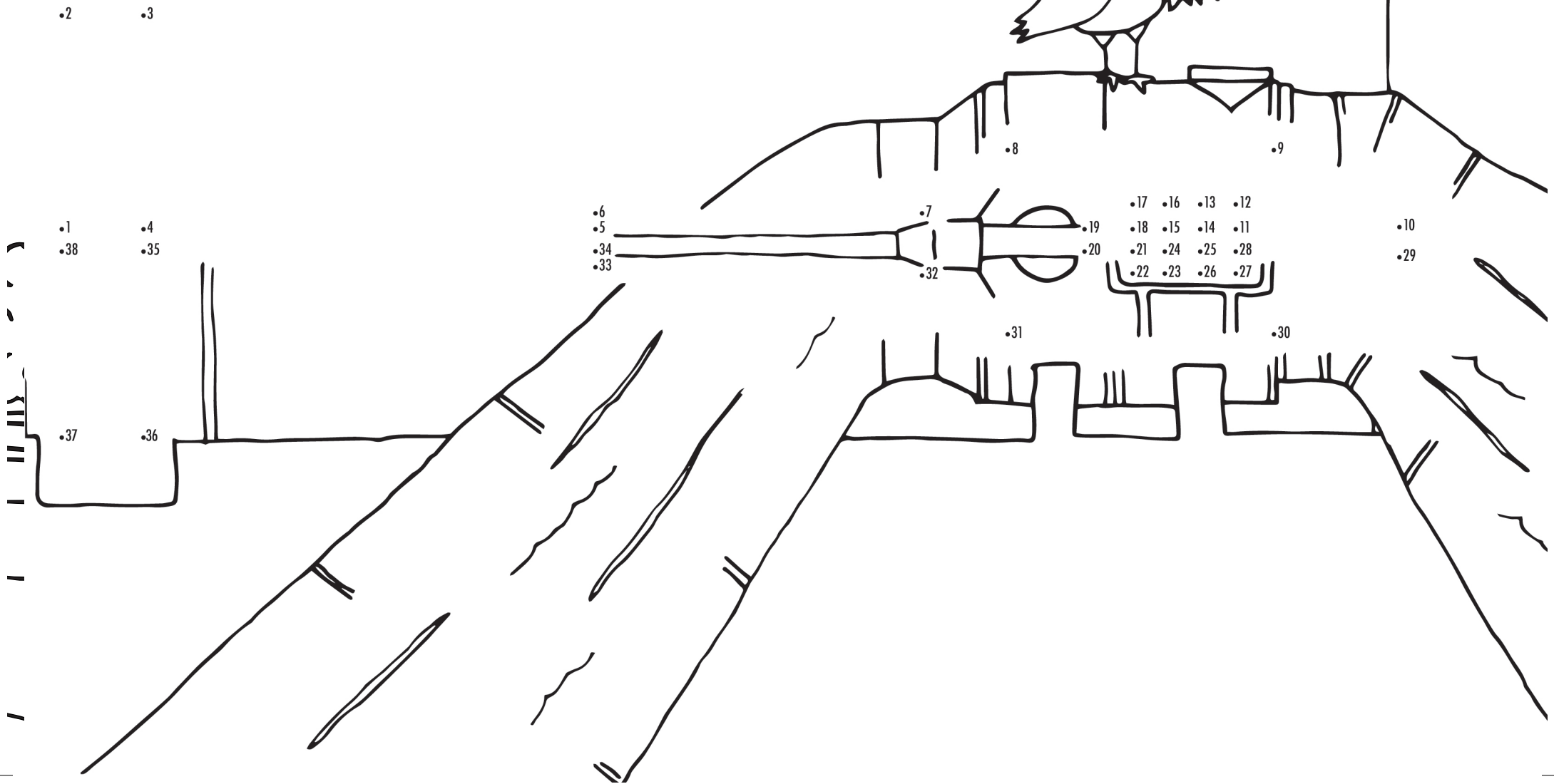
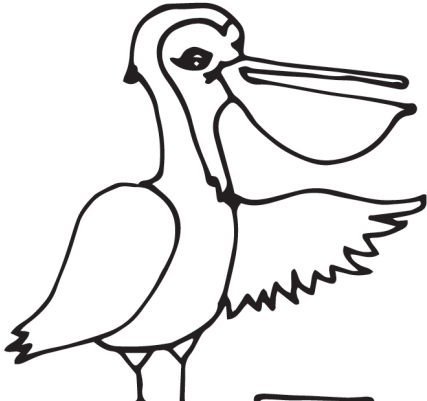




It starts to rain so Pearl ducks into a PUMPING STATION for shelter, where she finds a WOOD SCREW PUMP.



Help Pearl connect the dots of the  
**WOOD SCREW PUMP** to help drain the water  
from the streets faster!



.2 .3

.1 .4  
.38 .35

.6  
.5  
.34  
.33

.7  
.32

.17 .16 .13 .12  
.18 .15 .14 .11  
.21 .24 .25 .28  
.22 .23 .26 .27

.10  
.29

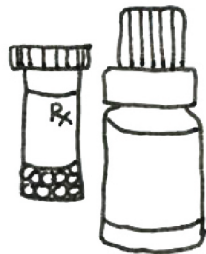
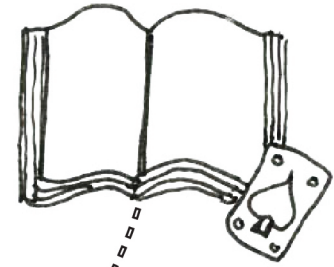
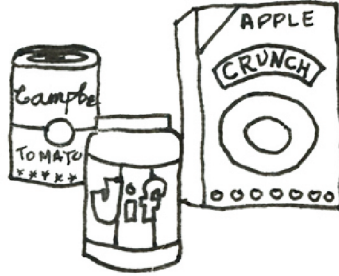
.37 .36

.31

.30



The rain continues and the storm starts to get very bad so Pearl takes shelter at a friend's house nearby. To prepare for the big storm, help Pearl pack up a **SHELTER IN PLACE** "home kit" by using the paths to transfer items into its matching box.



Books & Games

Manual Can Opener

Week's Supply of Medications

Flashlight & Extra Batteries

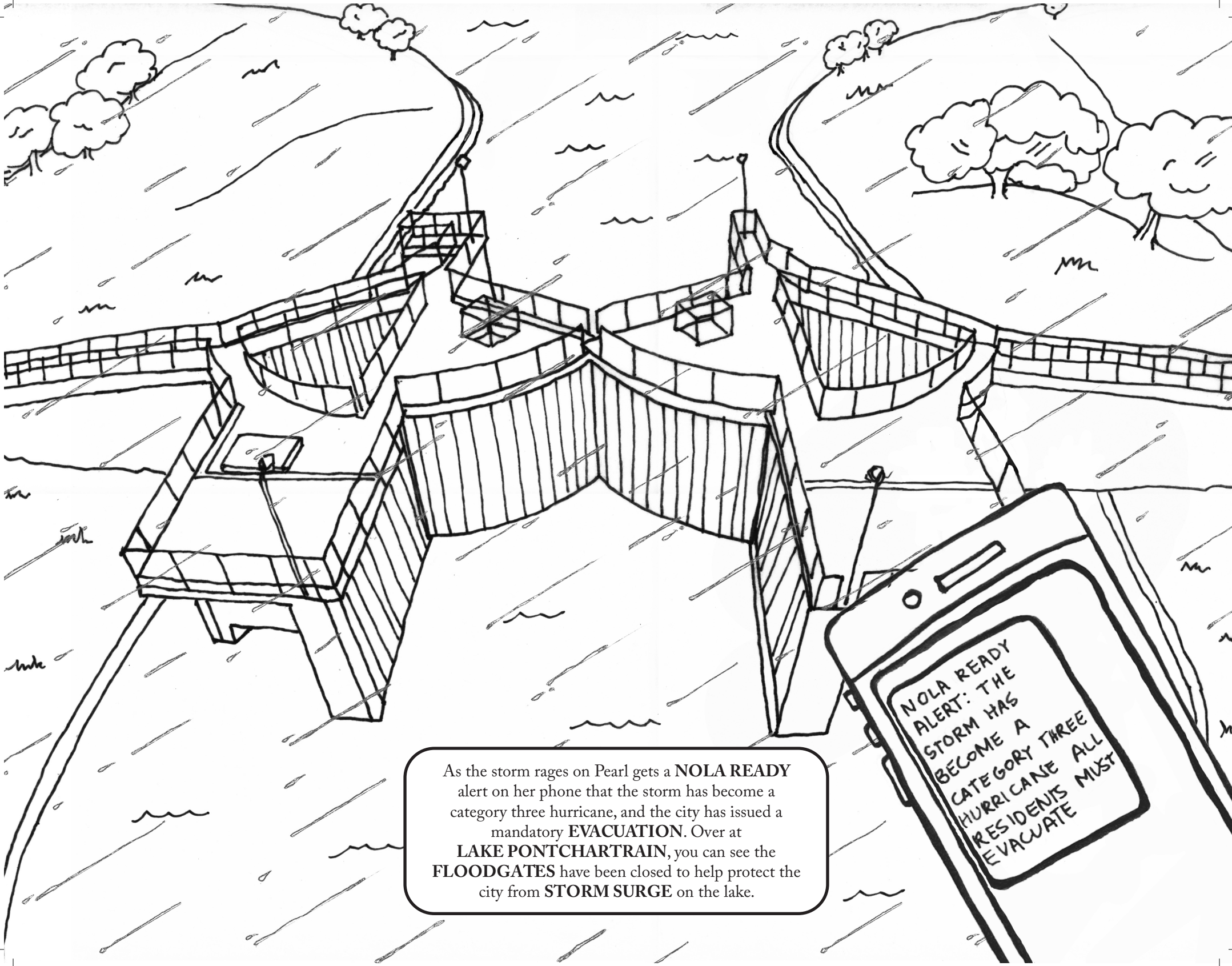
3 Gallons Of Water Per Person

Matches or Lighter

First Aid Kit

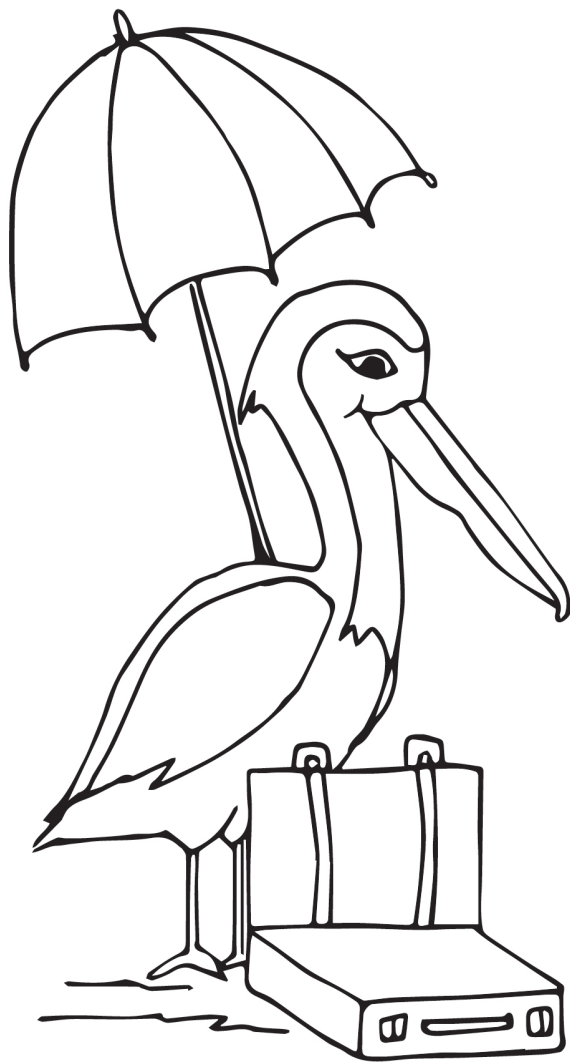
Radio

Non-perishable Food For 3 Days

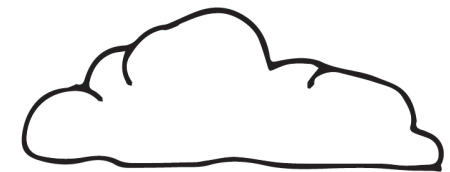


As the storm rages on Pearl gets a **NOLA READY** alert on her phone that the storm has become a category three hurricane, and the city has issued a mandatory **EVACUATION**. Over at **LAKE PONTCHARTRAIN**, you can see the **FLOODGATES** have been closed to help protect the city from **STORM SURGE** on the lake.

**NOLA READY  
ALERT: THE  
STORM HAS  
BECOME A  
CATEGORY THREE  
HURRICANE ALL  
RESIDENTS MUST  
EVACUATE**



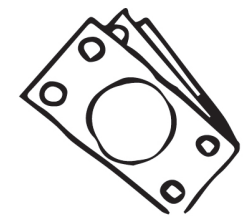
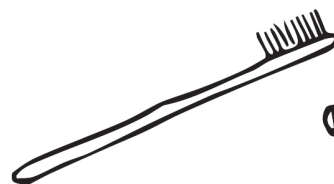
Pearl prepares a "go bag" with everything she'll need to take with her when she evacuates. Find and circle all the items in this puzzle that Pearl needs to pack!



WORD LIST

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

- BLANKET
- CASH
- CLOTHES
- LICENSE
- MEDICINE
- PET SUPPLIES
- PHONE NUMBERS
- PILLOW
- SOAP
- TOOTHBRUSH
- TOOTHPASTE

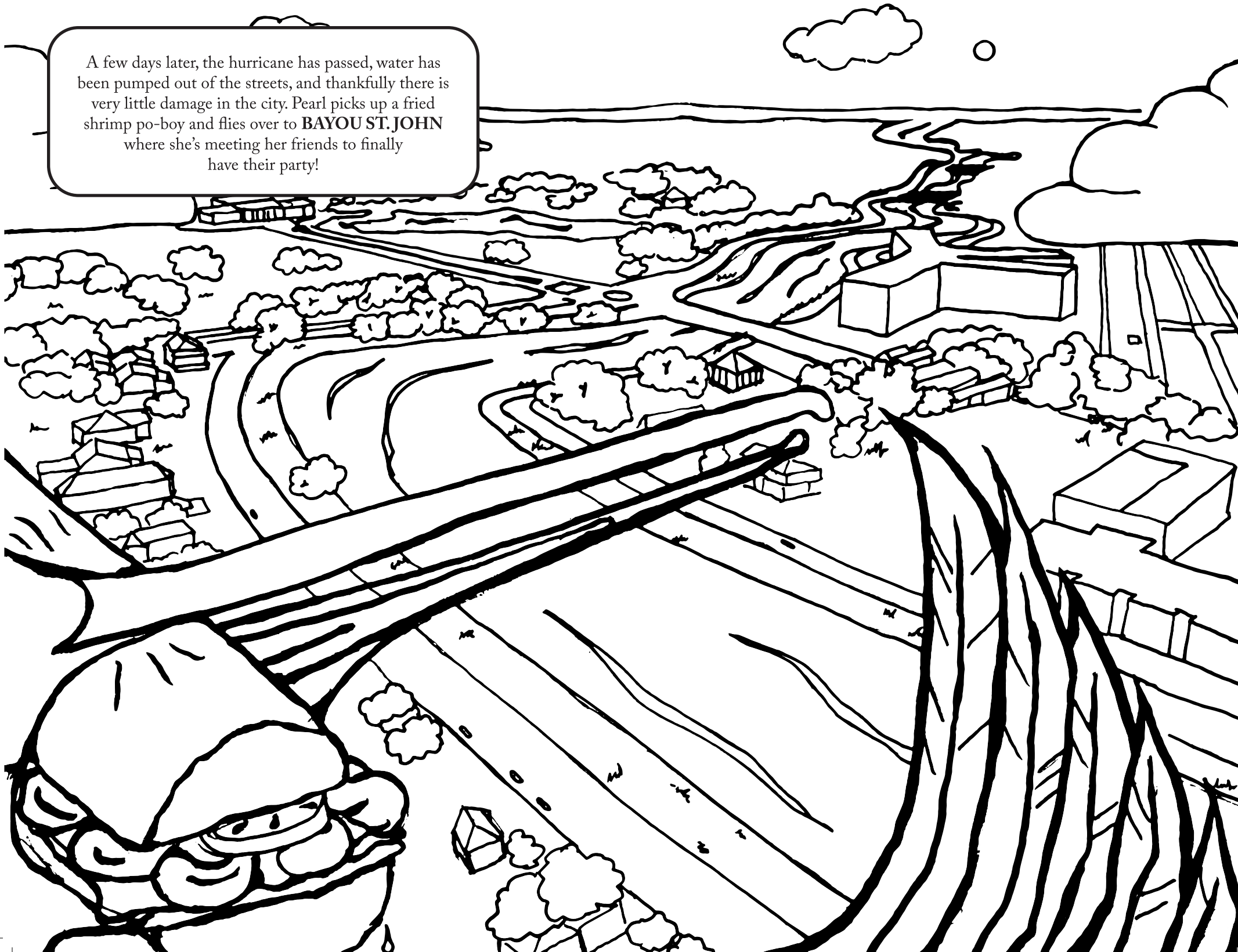




Pearl waits at the **EVACUSPOT** in front of Armstrong Park, with all her important items packed, for a **CITY-ASSISTED EVACUATION** vehicle to pick her up since she does not have her own transportation out of the city.



A few days later, the hurricane has passed, water has been pumped out of the streets, and thankfully there is very little damage in the city. Pearl picks up a fried shrimp po-boy and flies over to **BAYOU ST. JOHN** where she's meeting her friends to finally have their party!



# DEFINITIONS

**WETLAND:** A wetland is where land is sometimes or permanently covered with shallow, slow-moving water. They provide a home for plants & animals (like Pearl!), filter, clean, & store water, collect and hold flood waters like a sponge, absorb and store CO<sub>2</sub>, and need our protection to ensure they are around a lot longer!

**LEVEE:** A levee is a high area of land that occurs naturally by rivers and bayous, and can also be a high area of land we build up to contain water or prevent it from entering into places that we live and use.

**CONTAINER SHIP:** A special kind of boat that is very large in order to move a lot of goods across the world in containers.

**PORT OF NEW ORLEANS:** A port is a place where boats and container ships can load and unload goods that are shipped across the world. The Port of New Orleans sees more than 11,000 boats and 500 million tons of cargo pass through the Mississippi every year!

**RAIN BARREL:** This is a container that collects rainwater that falls onto a roof and flows through a gutter and into the barrel. The rainwater that's collected can then be used to water your garden!

**CATCH BASIN:** A catch basin - or storm drain - is where water on the streets go and where that water enters the city's drainage system. Remember: everything that goes into our catch basins flows into Lake Pontchartrain - so it's very important not to litter so our trash doesn't end up in the lake!

**PIPES:** Pipes are used to move water, gas, oil, and other substances. In New Orleans when it rains, the rainwater flows into our catch basins, and then is carried by underground pipes to our pumping stations to help keep our city safe and dry.

**CULVERT:** Culverts are large concrete structures that carry a stream or canal underground.

**PUMPING STATION:** New Orleans has 24 pumping stations that are run by the Sewerage and Water Board. At low points, these pumping stations lift rainwater up so that it can flow by gravity into Lake Pontchartrain. Without these stations, it would be impossible to dry our streets after it rains.

**WOOD SCREW PUMP:** These are the pumps that live in our pumping stations. They were invented by A. Baldwin Wood in 1913, and have helped keep New Orleans dry ever since.

# DEFINITIONS

**SHELTER IN PLACE:** This is a precautionary routine to keep you as safe as possible while indoors during a potentially dangerous situation, like a big storm that causes the power to go out for an extended period of time. To prepare, you should have a “home kit” that contains enough essential supplies (food, water, first aid kit, etc.) to last 3 days.

**NOLA READY:** Hub for emergency preparedness and response in New Orleans, managed by the New Orleans Office of Homeland Security and Emergency Preparedness.

**EVACUATION:** Leaving a dangerous area and going to a safe place.

**STORM SURGE:** This happens primarily when a storm’s wind pushes extra water on shore. In New Orleans, this extra water can become even more intense over Lake Pontchartrain so we have floodgates to help protect the city.

**EVACUSPOT:** There are 17 evacuation pickup locations across the city, called evacuspots. They help people leave the city safely before a dangerous hurricane.

**CITY-ASSISTED EVACUATION:** If you can’t evacuate on your own during a mandatory evacuation, the City of New Orleans can help. This provides free transportation out of harm’s way.

**BAYOU ST. JOHN:** Bayou St. John has been used since the year 1700 by Native Americans (who called it Bayou Choupic), and later French and Spanish settlers, to navigate from Lake Pontchartrain to the Mississippi River. Today, the bayou is used for recreation: festivals, picnics, and boating all take place along its banks!

**FLOODGATE:** Floodgates are giant gates that are used to control the flow of water. Just like the gate at your house, floodgates can be opened and closed, in order to allow or stop the flow of water. The gate between Lake Pontchartrain and Bayou St. John helps to hold back storm surge, and protect the city on the inside of the levees.

**LAKE PONTCHARTRAIN:** Did you know? Lake Pontchartrain isn’t actually a lake - it’s something called a “brackish estuary”. This means that it has one or more rivers flowing into it, and that it is partially open to the sea (in our case, the Gulf of Mexico) so the water is a mix of freshwater and seawater. Fun fact: the bridge that spans the Lake - the Causeway - is the LONGEST bridge in the world!

## WORD SCRAMBLE ANSWER KEY (PAGE 6)

1) RAIN BARREL 2) CATCH BASIN 3) PIPES 4) LEVEE



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ILLUSTRATED BY

Amelia Broussard

DESIGNED BY

TOM SPITTLER

WITH SPECIAL THANKS TO



**Resilience +  
Sustainability**  
CITY OF NEW ORLEANS



**WATER  
COLLABORATIVE**  
*of Greater New Orleans*



**CITIES OF  
SERVICE**



CITY OF NEW ORLEANS



