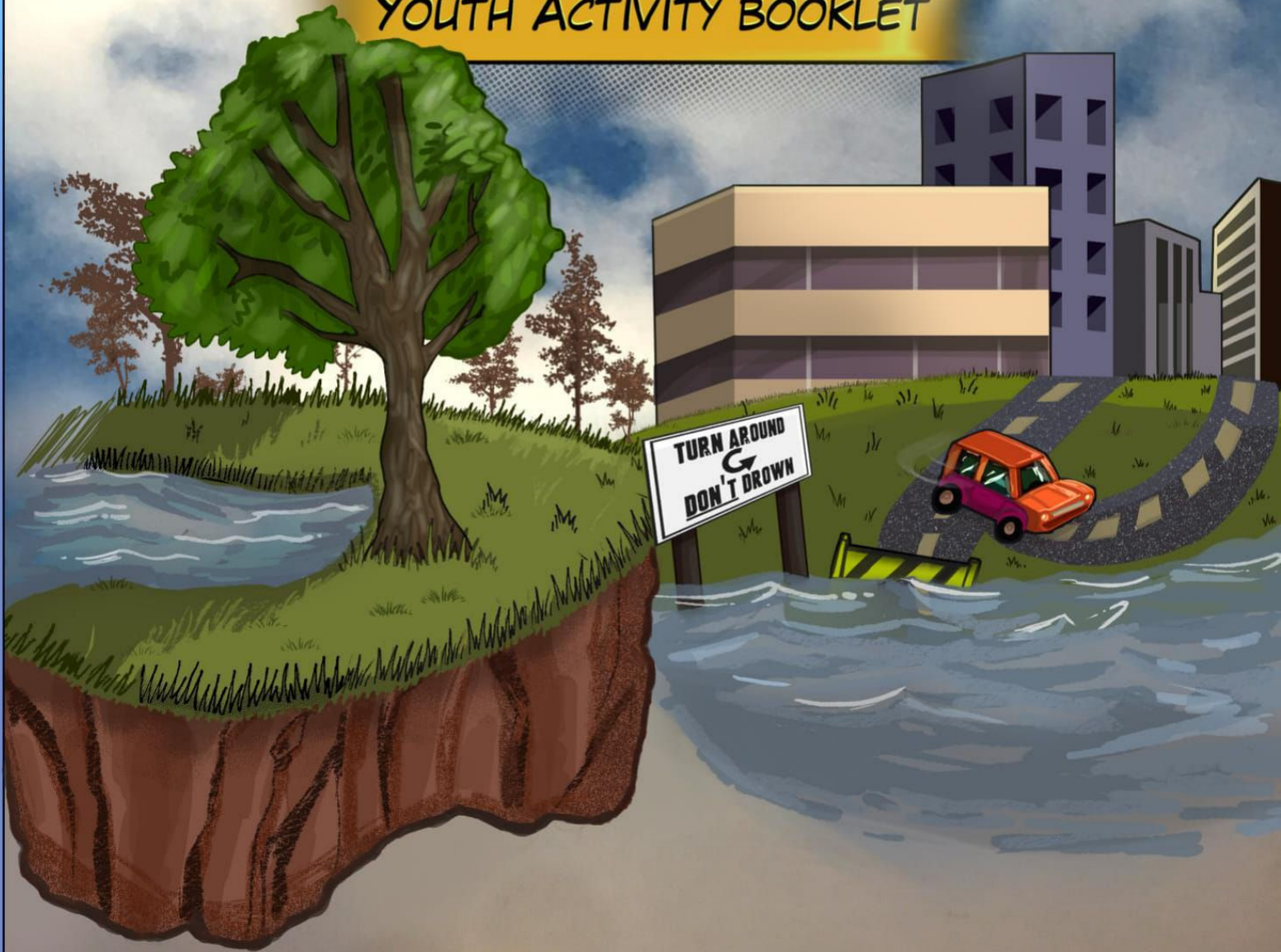




YOUTH ACTIVITY BOOKLET



ILLUSTRATED BY OSAMA OMOREGBE

ADD COLORS TO HELP BEAUTIFY THIS WETLAND!

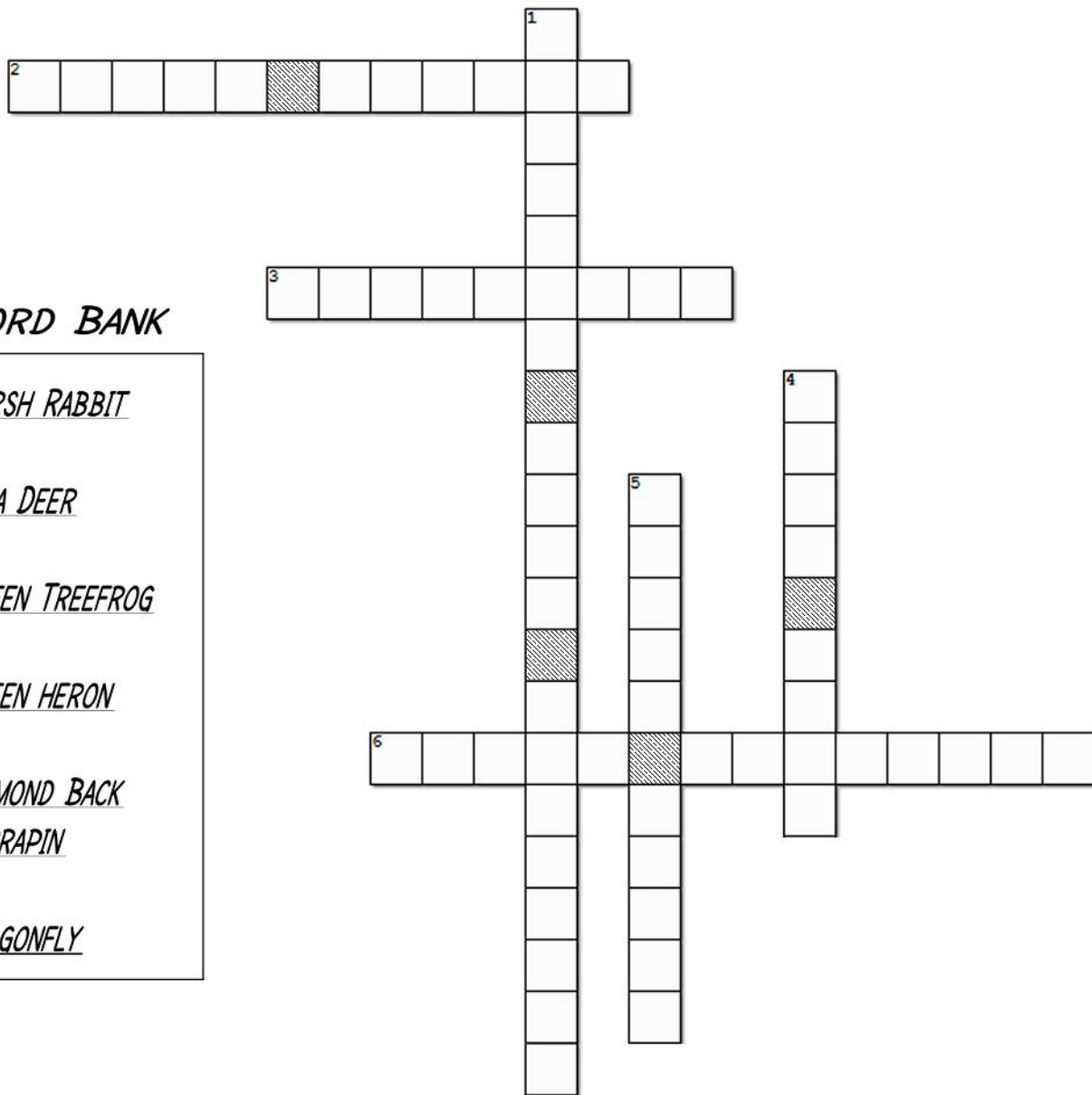


ADD COLORS TO HELP BEAUTIFY THIS WETLAND!

NEXT PAGE >> =CROSSWORD PUZZLE=



OSAMA OMOREGBE



WORD BANK

MARSH RABBIT

SIKA DEER

GREEN TREEFROG

GREEN HERON

DIAMOND BACK

TERRAPIN

DRAGONFLY

Across

2. A brown rabbit that grows up to 16 inches long, usually resides in the Wetlands of the Chesapeake Bay, and is able to swim
3. Scientists use dragonflies to analyze how healthy the state of a wetland is, the most common is the camo colored Gray Petalota
6. Can be found in ponds, lakes, marshes and streams

-WETLANDS ACT AS FILTERS TO PURIFY WATER.

Down

1. It's majestic pale blue tint and black spots is hard to ignore. This turtle resides in the majority of Maryland's wetlands.
4. This species of deer originated from Asia, and was introduced to America around the 1900s.
5. This species of bird is closely related to the crow, and has a grayish underbelly, piercing yellow eyes

-WETLANDS ARE LIKE TOWELS BECAUSE THEY SOAK UP STANDING WATER.

HEALTHY RAIN = HAPPY CLOUDS

ILLUSTRATED BY: OSAMA O. OMOREGBE

MEET: 'THE WATER CYCLE'

IT'S FAMOUS FOR PRODUCING RAIN IN THESE 3 MAIN PHASES:

EVAPORATION



CONDENSATION



PRECIPITATION

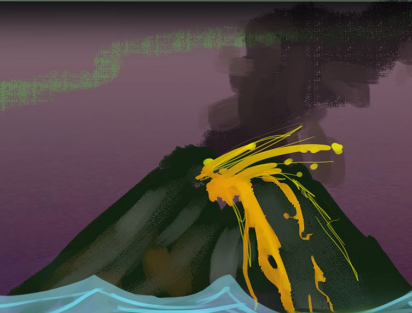


UNHEALTHY RAIN = UNHAPPY CLOUDS

EVENTS IN NATURE THAT CAUSE ACID RAIN:

ROTTING VEGETATION.

ERUPTING VOLCANOES RELEASE OF CHEMICALS.



HUMAN ACTIVITIES THAT CAUSE ACID RAIN:

POWER PLANTS THAT BURN COAL, FACTORIES (BURN FOSSIL FUELS),

AUTOMOBILES THAT RELY ON GAS AND POLLUTION.

EXAMPLES OF POLLUTION/POLLUTANTS: LITTERING TRASH AND

TOXIC WASTE AT THE LOCAL RIVER/OCEANS AND OFFENSIVE BREATH !



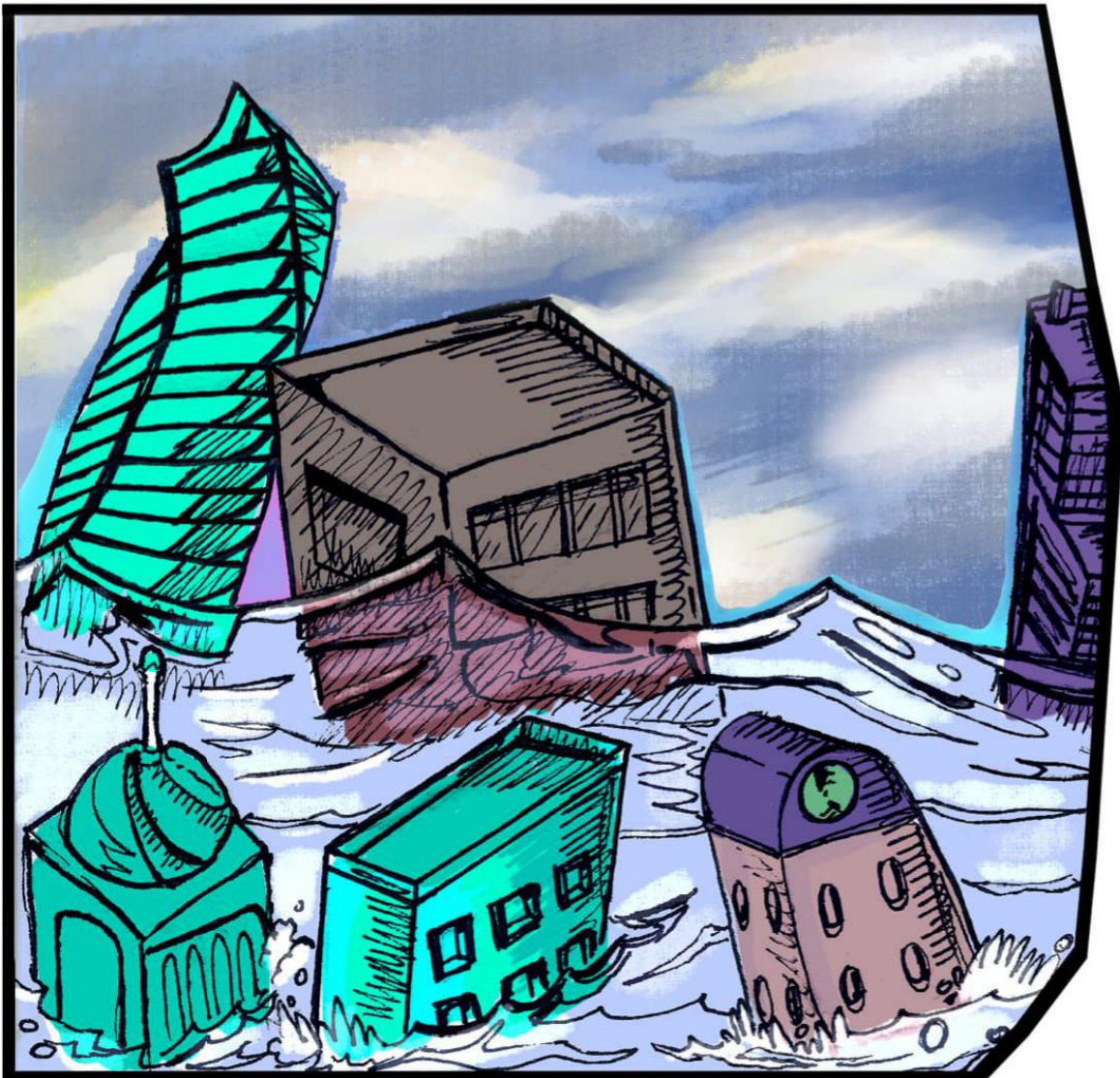
HELP KICK GARBAGGIO OUT OF THE WATER TO MAKE IT CLEANER!



FINISHED(?)



WAYS WE MITIGATE FLOODS IN AN URBAN ENVIRONMENT:

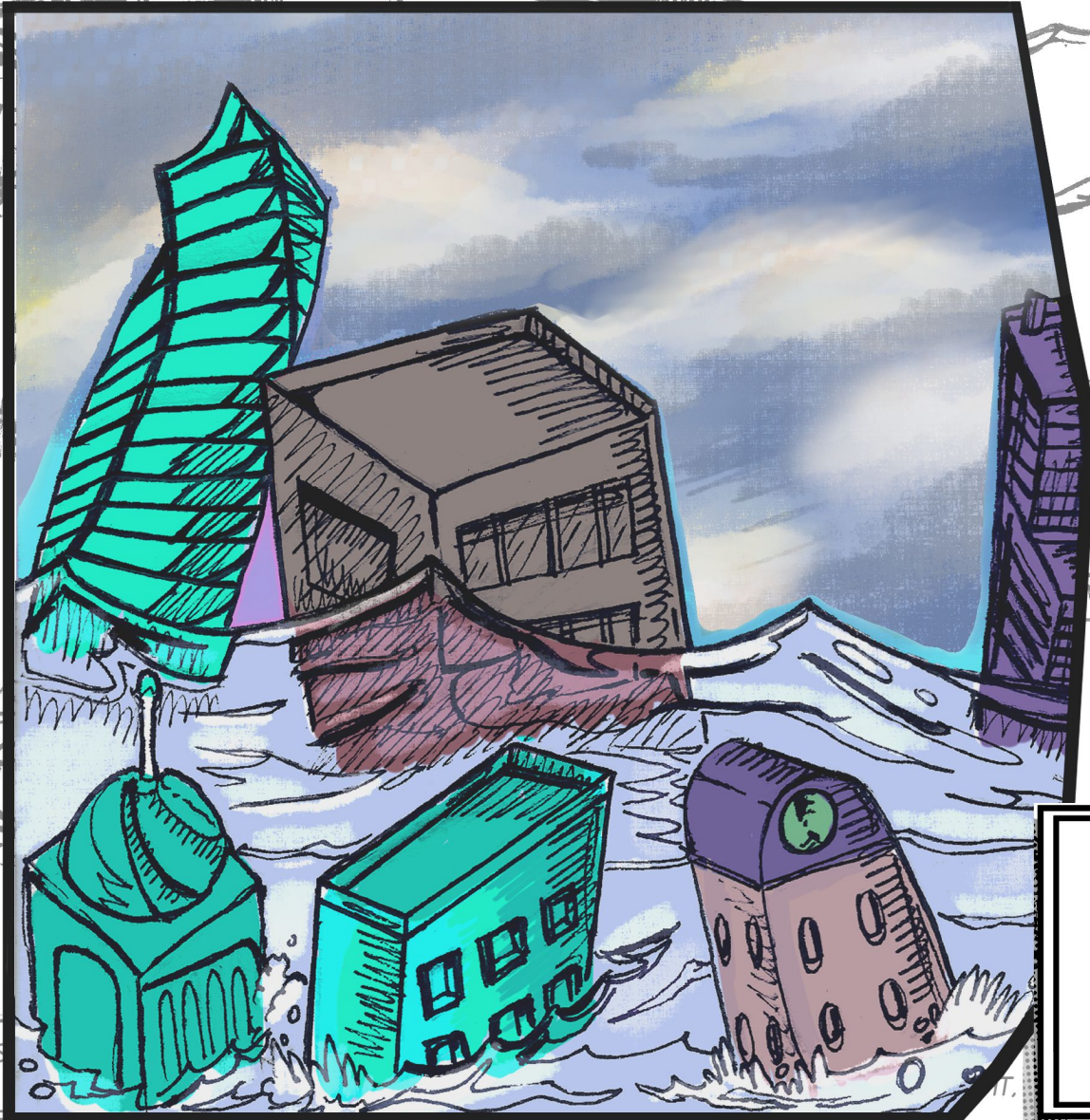


NEXT PAGE >>

MITIGATION

HOW DO WE REDUCE FLOODS?

- PROTECTING WETLANDS & WILDLIFE ANIMALS.
- PLANTING NATIVE PLANTS.
- WATERPROOFING OUR HOMES AS AN EXTRA SAFETY MEASURE.



TURN AROUND
↻
DON'T DROWN

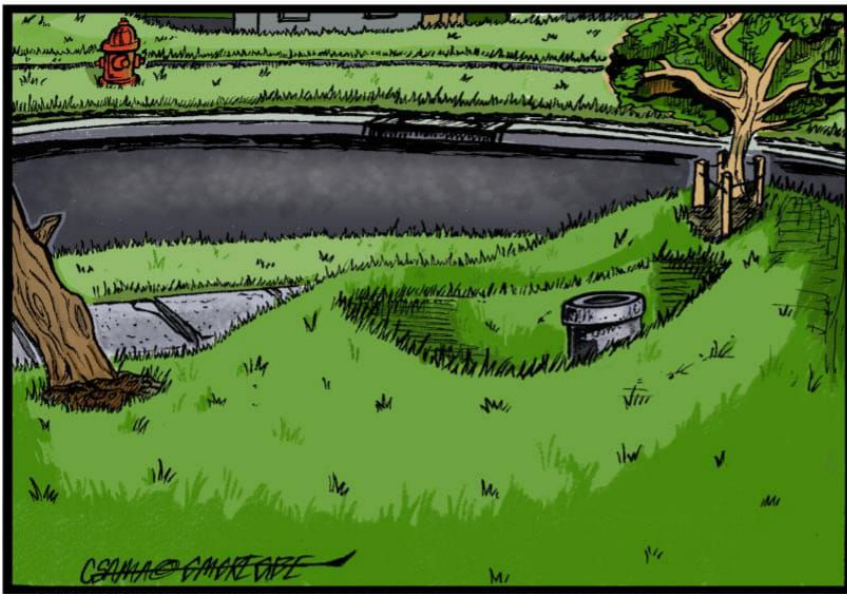


TURN AROUND
↓
DON'T DROWN

S.O.S. FINDER: CIRCLE ALL 10 EMERGENCY SUPPLIES, ONCE FOUND CIRCLE IT. ITEMS: WHISTLE, CANOE, PADDLE, RADIO, 911, SAFETYKIT, FLASHLIGHT, FLOATIE, BACKPACK, HELICOPTER.

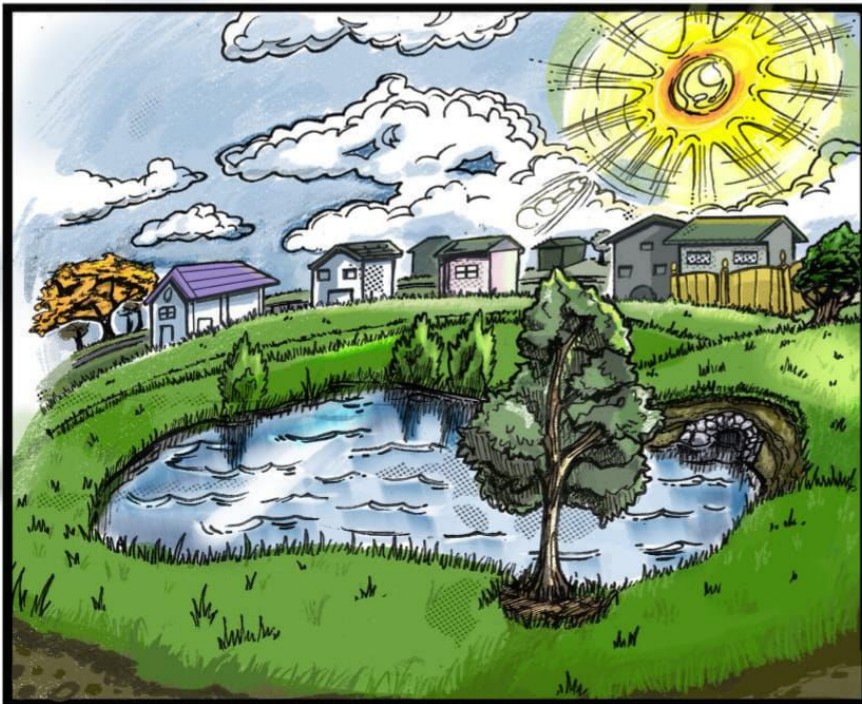
FLOOD CONTROL STRUCTURES

DETENTION POND



DETENTION PONDS TYPICALLY CONTAIN STORMWATER RUNOFF FOR APPROXIMATELY 3 DAYS BEFORE ENTERING A STREAM.

RETENTION POND



RETENTION PONDS OFTEN LOOK LIKE A POOL, BUT THEY ARE NOT FOR A PUBLIC SWIM/BATH! THEY ARE BUILT TO CONTAIN THE STORMWATER RUNOFF AFTER A STORM EVENT FOR YEARS.

FLOOD CONTROL STRUCTURES

GREEN HOUSE

GREEN HOUSES ALSO HAS VEGETATION THAT OFTEN GROW PRODUCE (FRUITS + VEGETABLES).

HOSE BIB

THE HOSE BIB HYDRATES PLANTS AND OTHER VEGETATION ON THE GREEN ROOF.



GREEN ROOFS ARE ROOFTOPS COVERED BY VEGETATION SUCH AS NATIVE PLANTS.


GREEN ROOF




PERIMETER STONES

PERIMETER STONES HELP KEEP DIRT OR THE GROUND AREA FROM GETTING MUDDY, WHEN AN ARE GETS MUDDY THAT'S KNOWN AS EROSION.


A GREEN ROOFS MAIN OBJECTIVE IS TO ABSORB STORMWATER. BELOW ARE A FEW NATIVE PLANTS IN MARYLAND THAT CAN BE PLANTED IN A GARDEN/GREEN ROOF SETTING.



WILD BERGAMOT:
GROWS UP TO 4 FEET

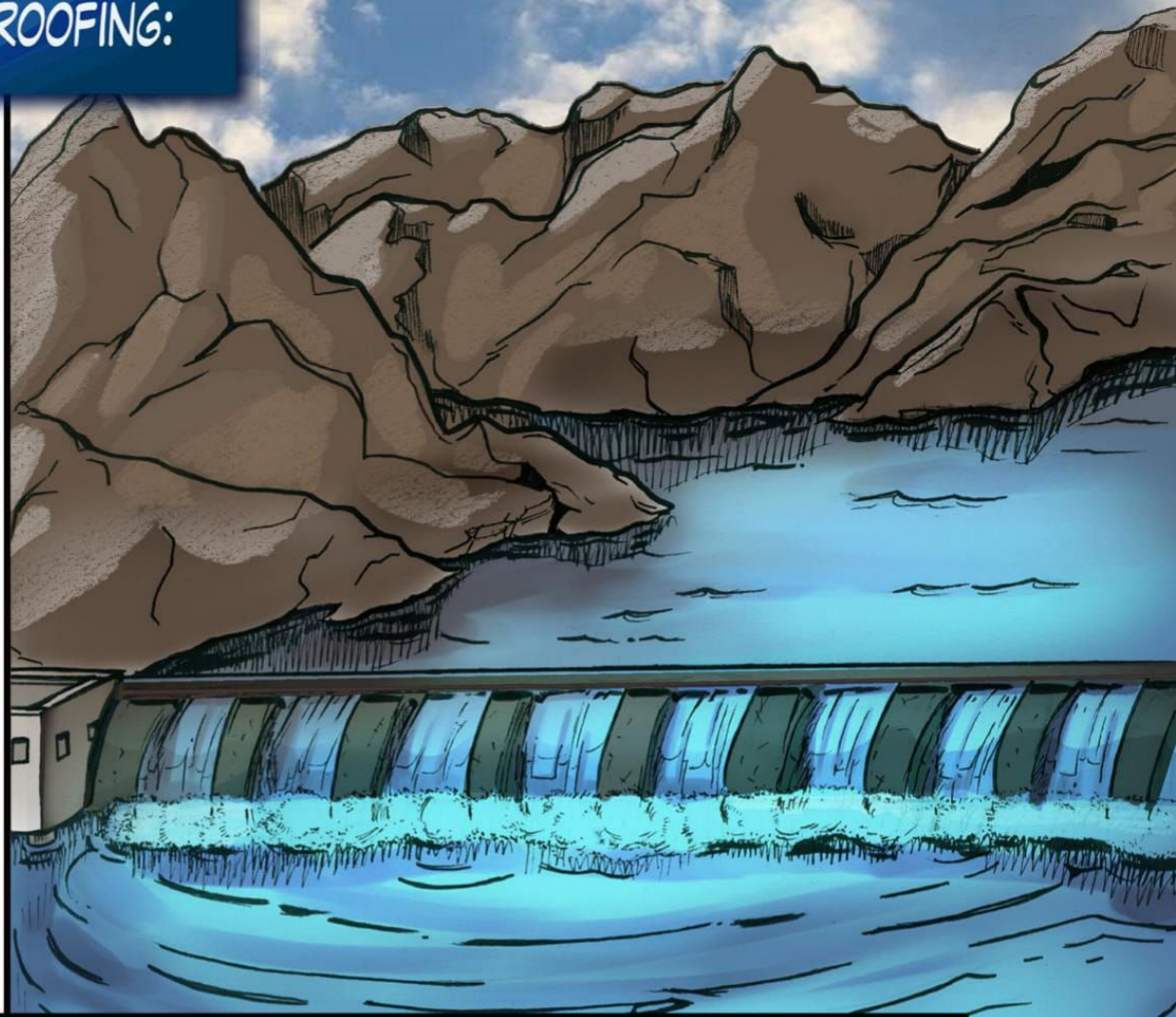


BLACK GUM TREE: COULD GROW UP TO 90 FEET



BLUE SEDGE:
GROWS UP TO 6 INCHES

HUMAN WATERPROOFING:



DAMS ARE MADE BY ENGINEERS TO BLOCK THE FLOW OF FLOODING BY CONTAINING WATER BEFORE IT REACHES A CERTAIN POINT OF ELEVATION.



OSAMA @ ANUREGEE

ANIMAL WATERPROOFING:



US BEAVERS BUILD DAMS TO PROTECT OURSELVES FROM POTENTIAL PREDATORS, AND FORM PONDS TO LIVE IN!



AN ENVIRONMENTAL WORD FIND

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

WATERPROOFING

WETLANDS

DETENTIONPOND

GREENROOF

MITIGATION

BIOME

STORMWATER

CLIMATE

EVAPORATION

ACIDRAIN

HABITAT

SEWER

NATIVEPLANT