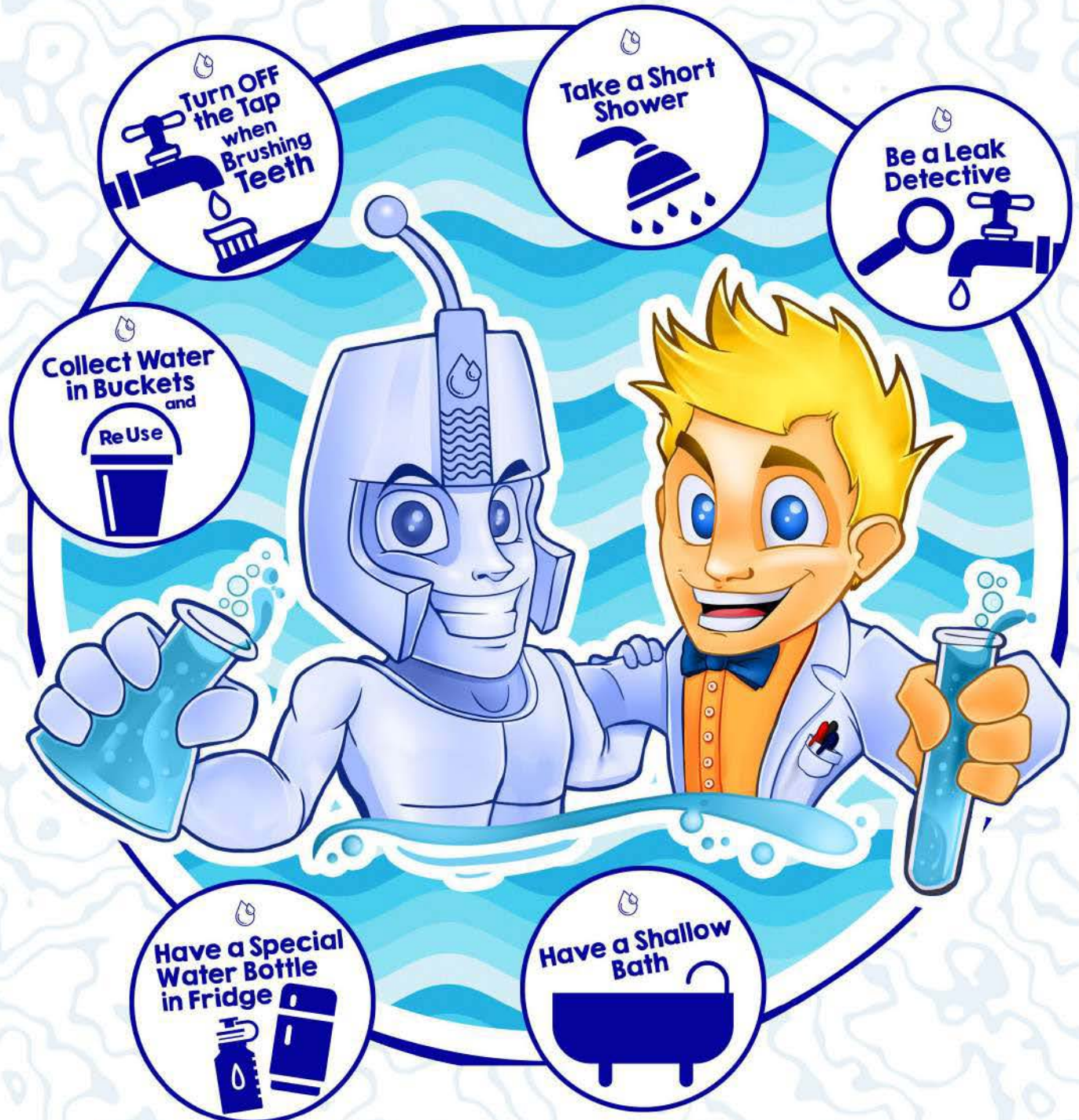


LET'S LOVE WATER!

WITH EDDY THE AQUABOT & PROFESSOR PUDDLE



ACTIVITY BOOK GRADE 1 & 2





EARTH - THE BLUE PLANET

**EDDY NOTICED COMING TO OUR PLANET THAT IT WAS REALLY, REALLY BLUE
PROFESSOR PUDDLE SAID, "THAT'S BECAUSE 71% OF OUR PLANET'S
SURFACE IS COVERED BY WATER IN THE OCEANS, RIVERS AND LAKES".**

**MORE WATER IS STORED AS ICE IN GLACIERS AND ICE CAPS AS WELL AS
UNDERGROUND. WE CAN CALL UNDERGROUND WATER STORAGE AREAS AQUIFERS.**

**ACTUALLY, LESS THAN 1% OF FRESH WATER IS AVAILABLE TO BE COLLECTED
BY HUNTER WATER AND PIPED TO US FOR USE.**

COLOUR THE LAND GREEN AND THE OCEANS BLUE





WATER IS H₂O

WATER IS MADE UP OF AN ELEMENT CALLED HYDROGEN (H) AND OXYGEN (O).

TWO HYDROGEN ATOMS AND ONE OXYGEN ATOMS MAKE THE WONDERFUL LIQUID THAT KEEPS US ALIVE CALLED WATER OR H₂O - ITS CHEMILCAL FORMULA.

IN THE SHOW YOUR FRIENDS AND PROFESSOR PUDDLE MADE WATER BY REACTING HYDROGEN IN A BALLOON WITH OXYGEN IN THE AIR.

- **DRAW A PICTURE OF WHAT HAPPENED IN THE BOX BELOW AND WRITE ABOUT WHAT YOU SAW, HEARD AND FELT.**

▪ **I SAW:** _____

▪ **I HEARD & FELT:** _____





KNOW YOUR H₂O

HOW WATER SMART ARE YOU?

CIRCLE TRUE T OR FALSE F FOR EACH OF THE STATEMENTS BELOW.

- 1. T OR F WHEN WATER IS HEATED IT EVAPORATES.**
- 2. T OR F WE ARE MADE UP OF ONLY 30% WATER**
- 3. T OR F WHEN THE SUN HEATS UP THE OCEAN WATER IT DISSAPEARS FOREVER**
- 4. T OR F LESS THAN 1% OF THE EARTH'S WATER IS FRESH & ABLE TO BE USED BY PEOPLE FOR LIFE**
- 5. T OR F THE WATER WE DRINK HAS BEEN RECYCLED FOR MILLIONS OF YEARS**
- 6. T OR F OUR BODIES CAN USE SALTY WATER TO SURVIVE**
- 7. T OR F LIQUID WATER CAN CHANGE TO WATER VAPOUR OR GAS AND THEN CONDENSE MAKING CLOUDS**
- 8. T OR F HUNTER WATER COLLECTS RAIN WATER IN DAMS AND RESERVOIRS AND THEN SENDS IT TO US FOR USE**
- 9. T OR F WE EACH USE ABOUT 200 LITRES OF WATER A DAY**
- 10. T OR F WE CAN LIVE FOR 2 WEEKS WITHOUT DRINKING WATER**





KNOW YOUR H₂O

ANSWERS

1. **TRUE - WHEN LIQUID WATER IS HEATED IT CHANGES TO VAPOUR OR GAS**
2. **FALSE - WE ARE ROUGHLY MADE UP OF 60% WATER**
3. **FALSE - OCEAN WATER EVAPORATES BUT THEN CONDENSES AS IT RISES & COOLS DOWN MAKING CLOUDS READY TO FALL AS RAIN AGAIN**
4. **TRUE - MOST OF THE WATER ON EARTH IS SALT WATER & MOST OF THE FRESH WATER IS FOUND IN GLACIERS OR UNDERGROUND**
5. **TRUE - THE WATER WE NOW DRINK HAS BEEN USED & THEN RECYCLED. THIS IS WHAT WE CALL THE WATER CYCLE**
6. **FALSE - OUR BODIES NEED FRESH WATER TO SURVIVE**
7. **TRUE - WHEN HEATED LIQUID WATER ABSORBS ENERGY AND CHANGES STATE TO GAS OR VAPOUR**
8. **TRUE - HUNTER WATER COLLECTS AND STORES RAIN WATER IN DAMS OR RESERVOIRS SUCH AS IN GRAHAMSTOWN DAM**
9. **TRUE - FOR COOKING, CLEANING, DRINKING AND WASHING, WE USE AROUND 200 LITRES OF WATER EACH DAY**
10. **FALSE - WHILE WE CAN LIVE WITHOUT FOOD FOR TWO TO THREE WEEKS WE CAN ONLY LIVE FOR AROUND THREE DAYS WITHOUT WATER**

HOW MANY DID YOU ANSWER CORRECTLY?

___/10





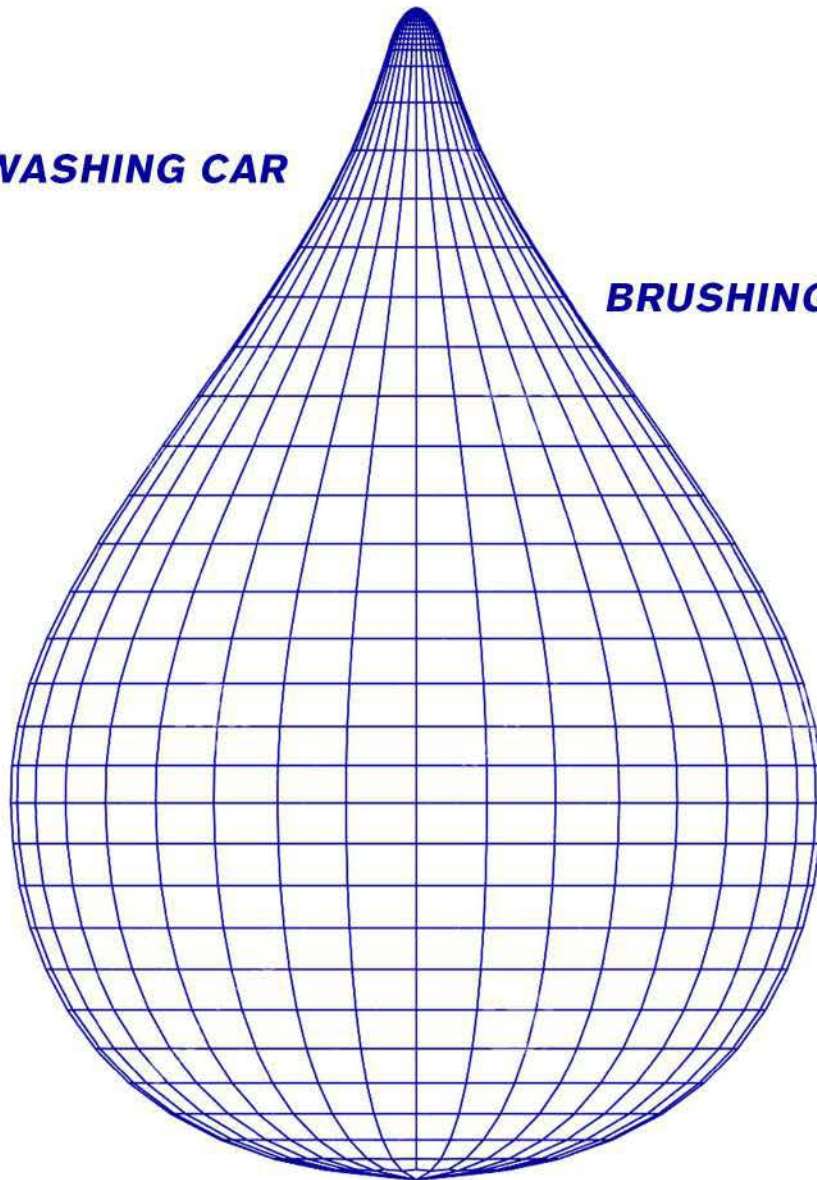
WATER USES

WE ALL DEPEND ON WATER TO SURVIVE WITHOUT WATER THERE WOULD BE NO LIFE ON EARTH.

**CREATE A BRAINSTORM OF ALL THE DIFFERENT USES OF WATER.
HERE ARE TWO USES TO GET YOU STARTED.**

WASHING CAR

BRUSHING TEETH





THE WATER CYCLE

WHEN WATER ON EARTH IS HEATED OR COOLED IT CAN MOVE BACK AND FORTH BETWEEN THESE THREE STATES: SOLID, LIQUID OR GAS. JUST LIKE EDDY THE AQUABOT WAS SINGING IN HIS SONG.

WHEN WATER IS HEATED IT CHANGES TO GAS OR WATER VAPOUR.

THIS IS A PROCESS CALLED EVAPORATION

WHEN WATER VAPOUR COOLS DOWN IT CHANGES BACK TO WATER AS LIQUID.

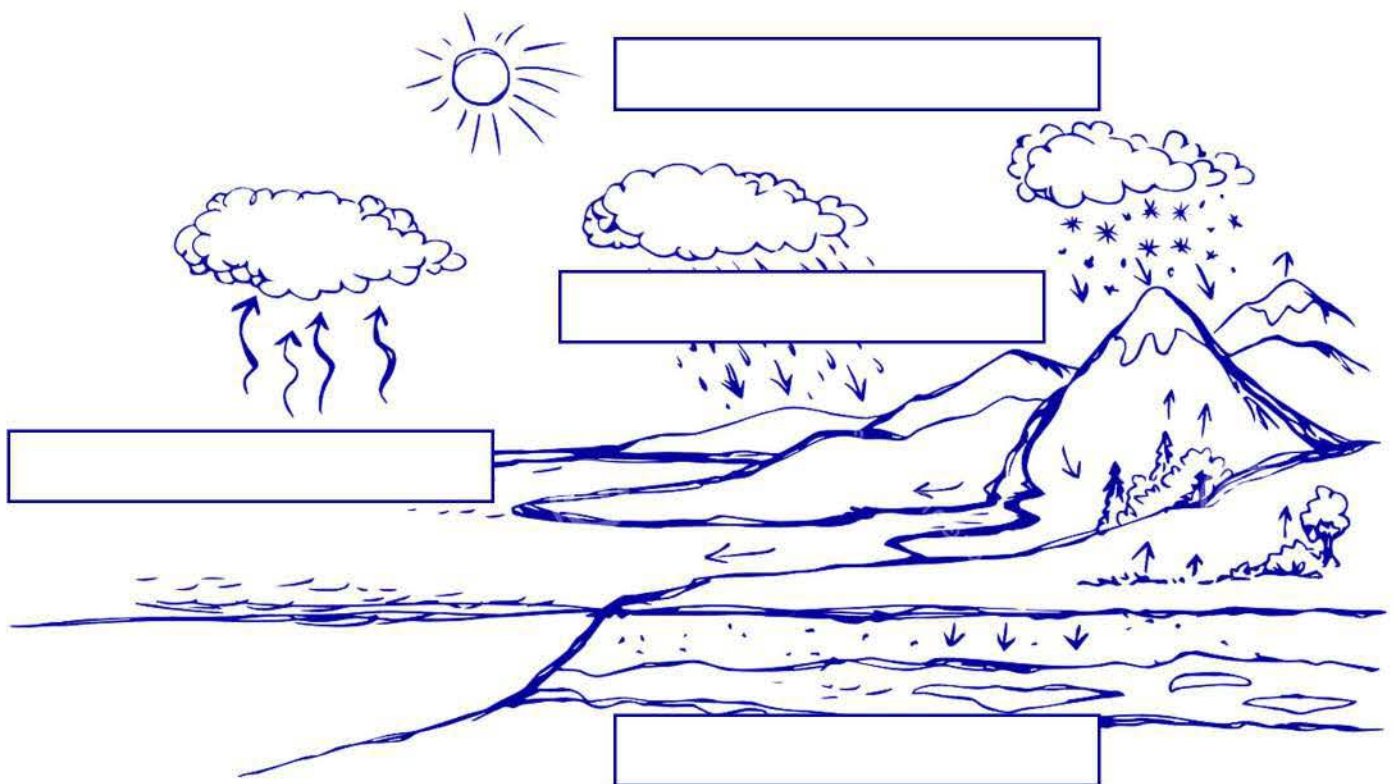
THIS IS A PROCESS CALLED CONDENSATION.

WHEN LIQUID WATER IS COOLED DOWN ENOUGH IT CHANGES TO WATER AS A SOLID CALLED ICE OR SNOW. THIS IS A PROCESS CALLED FREEZING.

WATER IN NATURE GOES THROUGH THESE PROCESSES AS IT GETS HEATED BY THE SUN AND COOLED DOWN IN THE ATMOSPHERE CREATING THE WATER CYCLE

• PLACE THE FOLLOWING WORDS IN THE CORRECT BOXES IN THE DIAGRAM

EVAPORATION COLLECTION CONDENSATION PRECIPITATION





WATER WORD GAME

HELP EDDY FIND THE WORDS BELOW AND HIGHLIGHT OR CIRCLE

BUCKETS
DETECTIVE
CONDENSATION
DAM
DRIP
DROUGHT
EVAPORATION
HALF FLUSH
LEAK
PIPE
PLANT ROOTS
PRECIPITATION
SAVE
SHALLOW BATH
SHORT SHOWER
SWEEP SURFACES
TRIGGER NOZZLE
WATER
WATER CYCLE

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

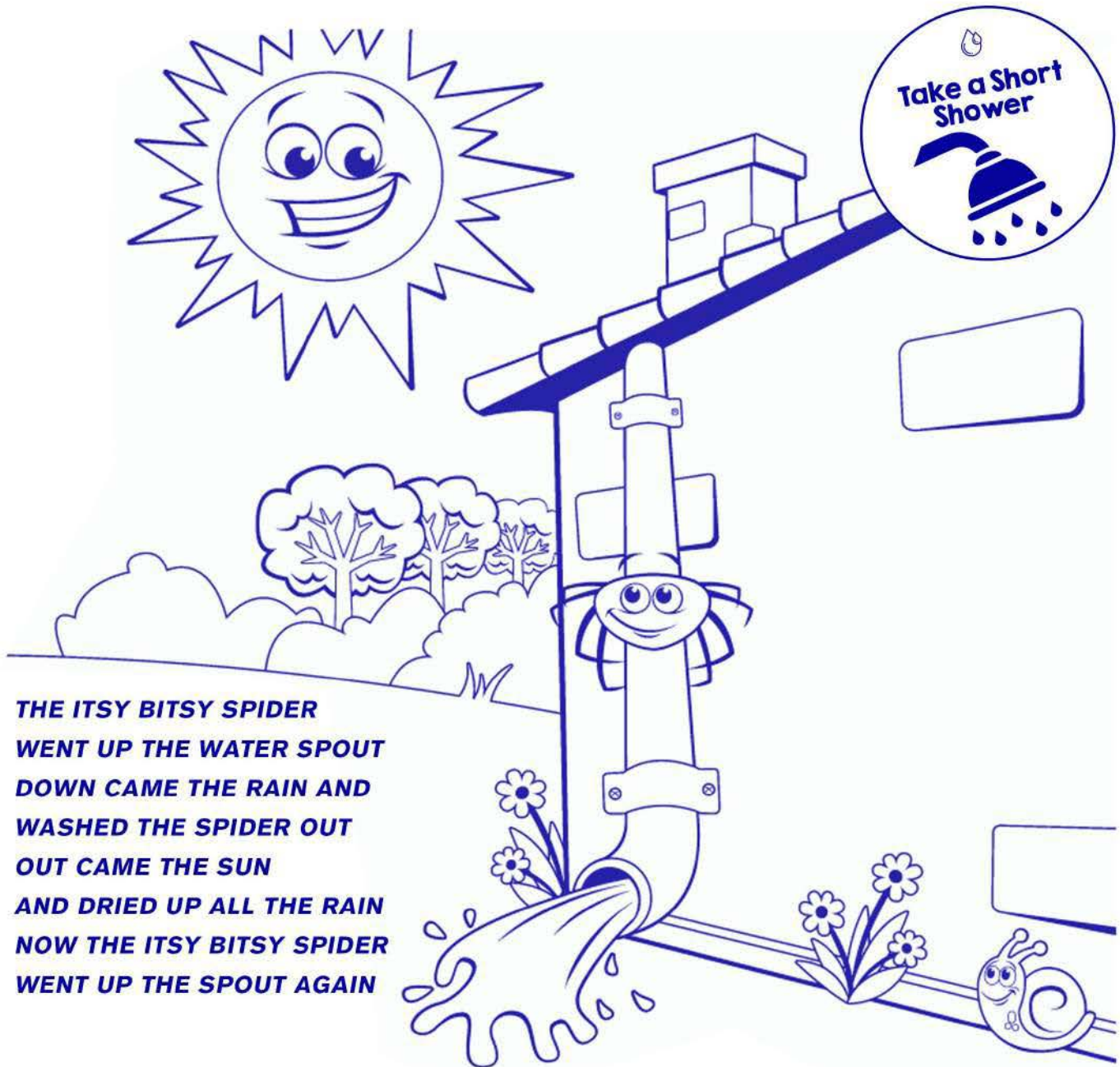




SHORT SHOWERS

HAVE SHORT SHOWERS. ABOUT 3-4 MINUTES. JUST AS LONG AS IT TAKES TO SING YOUR FAVORITE SONG!

DURING THE SHOW PROFESSOR PUDDLE HAD A FLOWER SHOWER THAT ONLY WORKED WHEN YOU AND EDDY SANG ITSY-BITSY SPIDER TOGETHER.



**THE ITSY BITSY SPIDER
WENT UP THE WATER SPOUT
DOWN CAME THE RAIN AND
WASHED THE SPIDER OUT
OUT CAME THE SUN
AND DRIED UP ALL THE RAIN
NOW THE ITSY BITSY SPIDER
WENT UP THE SPOUT AGAIN**





WORD MATCH

MATCH THE WORDS WITH THE PICTURES

SUN



WASHED AWAY



RAIN



EVAPORATION / DRYING



ITSY BITSY



WATER SPOUT





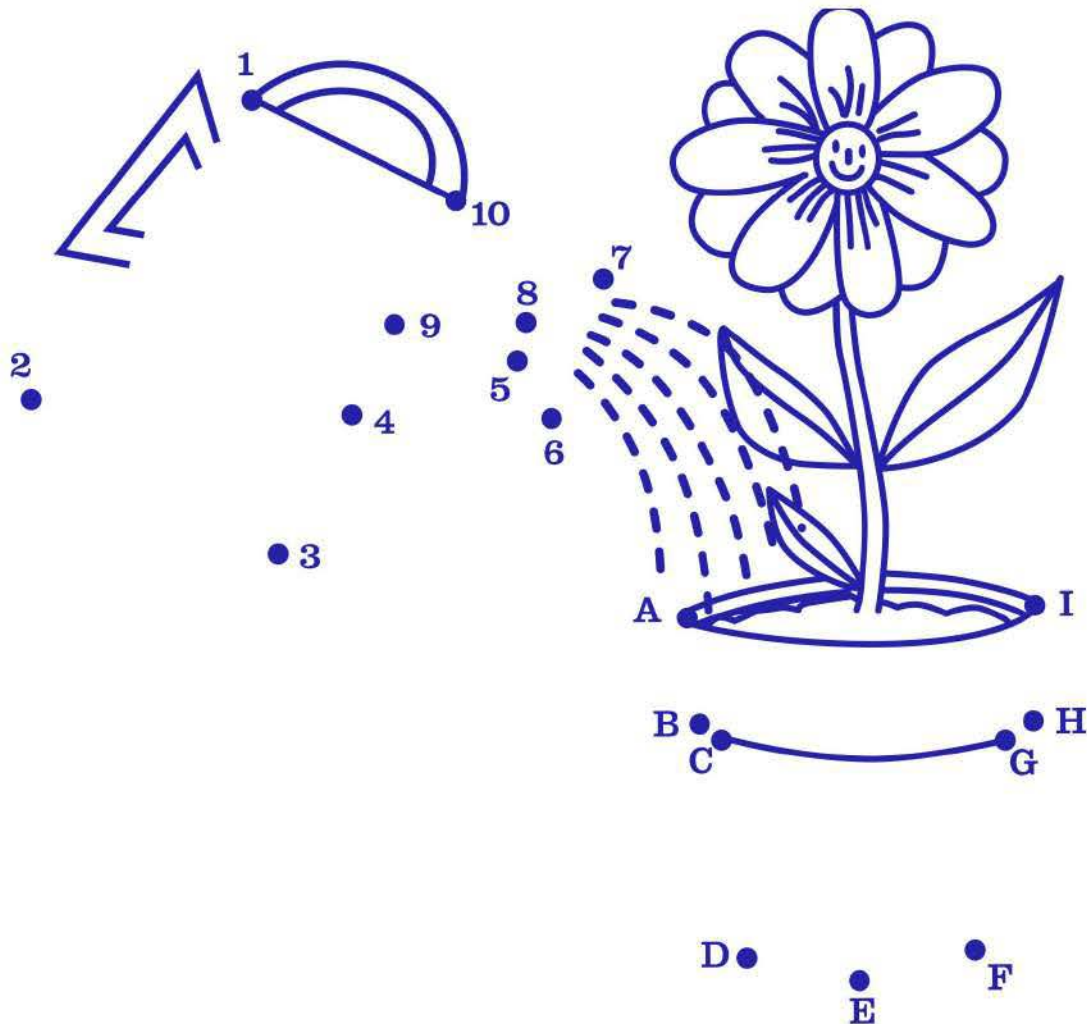
SAVE YOUR BUCKETS

DURING THE SHOW EDDY WANTED TO PUT THE WATER WE HAD COLLECTED WITH THE SINGING SHOWER DOWN THE DRAIN. BUT WE HAD BETTER IDEAS.

COLLECT WATER FROM THE SHOWER, BATH, KITCHEN, LAUNDRY & EVERYWHERE AND RE-USE

WASH THE CAR, EVEN YOUR BIKE AND DONT FORGET TO WATER THE FLOWERS!

• JOIN THE DOTS AND COLOUR.





ELEPHANTS TOOTHPASTE

**WHEN TEACHING EDDY HOW TO BRUSH HIS TEETH WITHOUT WASTING WATER
PROFESSOR PUDDLE MADE A HUGE AMOUNT OF TOOTHPASTE...
BIG ENOUGH FOR AN ELEPHANT!**

▪ DRAW AND COLOUR IN WHAT HAPPENED.





THE BRUSHING TEETH JUMBLE

WRITE THE NUMBER FROM 1 TO 11 ABOVE THE PICTURES BELOW
IN THE CORRECT ORDER FOR BRUSHING YOUR TEETH.

5



SQUEEZE TOOTHPASTE
ON BRUSH



SCRUB ALL TEETH

2



TURN WATER ON



TURN WATER OFF



WET TOOTHBRUSH



RINSE TOOTHBRUSH



TURN WATER ON

1



GET TOOTHBRUSH AND PASTE



SPIT FOAM IN SINK

10



TURN WATER OFF



PUT TOOTHBRUSH AND PASTE
AWAY





BE A LEAK DETECTIVE

USE YOUR DETECTIVE SKILLS AND POWERS OF OBSERVATION AND
CRACK THE CODE TO REVEAL THE SECRET WATER SAVING MESSAGE!

19 1 22 9 14 7 6 15 21 18

2 21 3 11 5 20 19 15 6 23 1 20 5 18

3 1 14 2 5 5 1 19 25

8 15 23 23 9 12 12 25 15 21

19 1 22 5 25 15 21 18 19

?

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26





LOVE WATER CROSSWORD



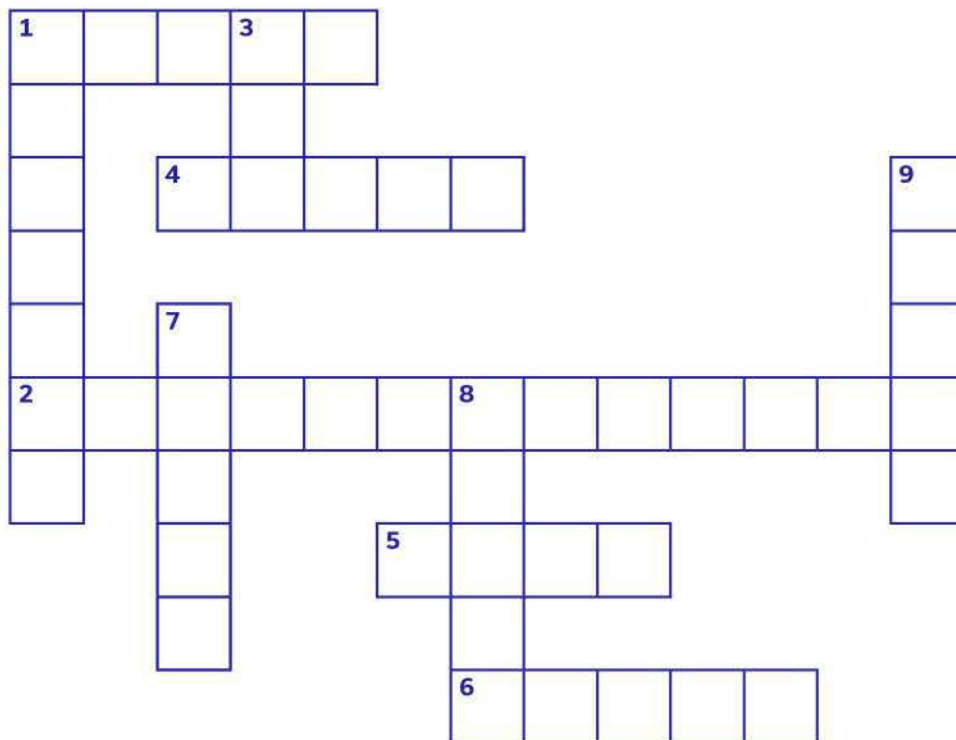
FIND OTHER WAYS TO SAVE WATER BY SOLVING THIS CROSSWORD.

Across

1. When you clean the path, use a _____.
2. Use a hose with a _____.
4. Turn off the tap when brushing your _____.
5. Keep your showers under ____ minutes.
6. Dams are used to _____ water.

Down

1. Remember to save your _____.
3. Half flush for number ____, full flush for number two.
7. When you find a leak or a drip, get it _____.
8. Plants take up water from their _____.
9. What should you use less of _____.





SONG-LET'S LOVE WATER

LISTEN & WATCH EDDY'S SONG WITH ANIMATION AND DESIGN YOUR OWN WATER SAVING POSTER ON CARDBOARD.

**WHEN YOU SCRUB-A-DUB-A-DUB
YOU DON'T HAVE TO FILL THE TUB
LET'S LOVE WATER**

**AS YOU GIVE YOUR TEETH A BRUSH
DON'T LET THAT WATER GUSH
LET'S LOVE WATER**

(CHORUS)

**IT BELONGS TO US ALL, EVERY PRECIOUS DROP
LET'S MAKE THE MOST OF THE WATER THAT WE'VE GOT IF WE ALL
CHANGE A LITTLE WE CAN REALLY SAVE A LOT LET'S LOVE WATER**

**SHOWER JUST AS LONG
AS IT TAKES YOUR FAVOURITE SONG TO PLAY
LET'S LOVE WATER**

**SAVE THE WATER FROM YOUR SHOWERS
YOU CAN PUT IT ON THE FLOWERS
LET'S LOVE WATER**

(CHORUS)

**IT BELONGS TO US ALL, EVERY PRECIOUS DROP
LET'S MAKE THE MOST OF THE WATER THAT WE'VE GOT IF WE ALL
CHANGE A LITTLE WE CAN REALLY SAVE A LOT LET'S LOVE WATER**

**IF THE DRIVEWAY NEEDS A WASH
DON'T HOSE IT, USE A BRUSH
LET'S LOVE WATER**

**IF YOU SEE A LEAKY TAP
TELL YOUR MUM OR TELL YOUR DAD
LET'S LOVE WATER**

(CHORUS)

**IT BELONGS TO US ALL, EVERY PRECIOUS DROP
LET'S MAKE THE MOST OF THE WATER THAT WE'VE GOT IF WE ALL
CHANGE A LITTLE WE CAN REALLY SAVE A LOT LET'S LOVE WATER**

