

## Welcome to H<sub>2</sub>O's Wonderful World of Water

### Primary School Teachers' Pack

**We have designed this work pack to help teachers, particularly of Key Stage 1 and Key Stage 2 pupils introduce the theme of water across the curriculum.**

It contains a series of worksheets and games which have been structured to help teachers:

- introduce pupils to the Water Cycle using the Water Cycle Placement Game and worksheets
- consider the importance of water and its many uses
- build language skills with the Water Word Search worksheets
- encourage the conservation of water through the Best Water Choice game and worksheets
- enhance observation; recognition and association skills through the "matching" exercises
- raise awareness and provide advice about how to "Stay Street Wise Street Safe" with the Spot the Dangers worksheet and Water Wise Rules leaflet and poster
- explore and discuss key water topics in class and set locally based water exercises
- consider the effects of weather by tracking how H<sub>2</sub>O, our super hero reacts to cold and heat

Water plays a vital role in all our lives and is a precious resource. So it's not surprising that its study offers exciting and fun opportunities for learning on a cross curriculum basis.

H<sub>2</sub>O's Wonderful World of Water can have application in:

The World Around Us e.g. making observations; noting weather changes; testing and measuring results; using resources, discussing the use and misuse of water; the water cycle; experimenting and filtering water; field visits; planting seeds etc

Literacy e.g. developing writing; reading and language skills through the medium of water

Numeracy e.g. calculations; estimating and measuring volume and capacity; becoming familiar with number counting

It can also help develop motor and social skills through the entertaining, engaging and therapeutic use of water play.

We hope you find the pack stimulating and helpful.

We are keen to have your feedback on this resource as we want to develop and expand its content in the coming months—so please do use the enclosed evaluation sheet to share your views and ideas with us.

# Evaluation Sheet for Teachers

Water Service welcomes feedback from teachers on the educational resource materials we provide. We should be grateful, therefore, if you would take a little time to complete the following questionnaire about this pack.

Please return to:

Water Service, Corporate Communications, Northland House, Frederick Street, Belfast BT1 2NR

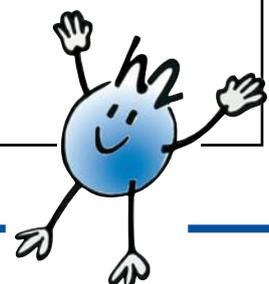
Please tick the box and feel free to comment below each question.

- |  | Yes                      | No                       |
|--|--------------------------|--------------------------|
| 1. Was the pack clearly laid out and easy to use?  | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Were the worksheets appropriate and helpful?  | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Did the game cards enhance your classroom study of water?                               | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Were the worksheets at an appropriate level and easy to use for your pupils             | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Did the worksheets increase pupil understanding about water?                            | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Did the worksheets increase pupil understanding of how to help save water?              | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Did the Water Wise Rules help pupils understand the dangers of playing near work sites? | <input type="checkbox"/> | <input type="checkbox"/> |

8. Which section of the pack was most useful?

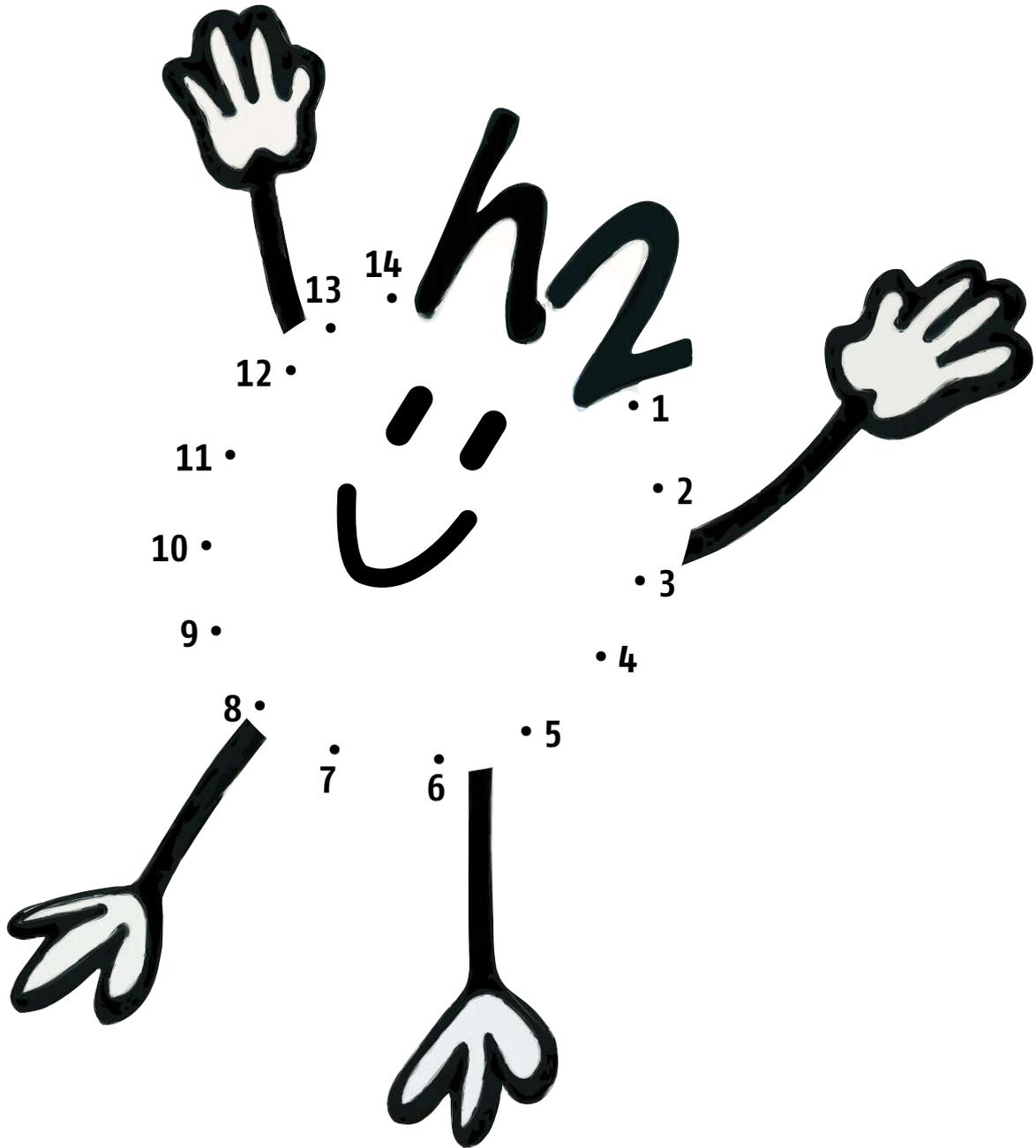
9. Which activities did the children enjoy most?

10. Do you have any other comments on the pack, or any suggestions as to how future packs could be improved?



# Key Stage 1. Worksheets

# Who am I?



Join the dots to find out



Be cool follow H<sub>2</sub>O's  
**Water Wise Rules**

and Stay Street Wise Street Safe

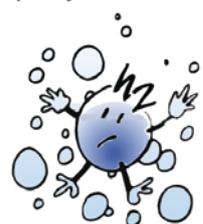
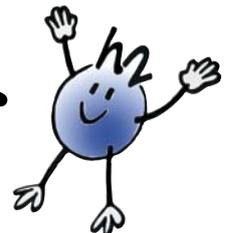
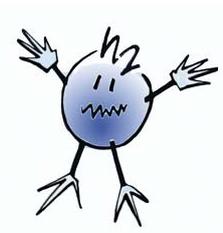
# Water is important

Draw some of the ways you and your family use water.




Be cool follow H<sub>2</sub>O's  
**Water Wise Rules**  
and Stay Street Wise Street Safe

## Match the pairs



Be cool follow H<sub>2</sub>O's  
**Water Wise Rules**

and Stay Street Wise Street Safe

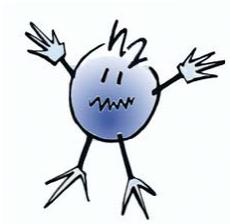
## Match



**solid**



**grow**



**wash**



**drink**



**hero**



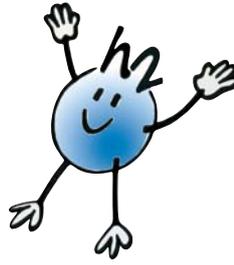
**safety  
clothes**

## Find the Water Words

t	w	j	w	i	d	z	j
i	a	n	a	c	r	q	a
g	u	p	s	e	i	u	g
w	a	d	h	o	n	h	l
t	a	s	k	y	k	f	j
w	a	t	e	r	m	d	u
u	x	i	e	b	a	t	h
l	o	c	o	o	l	b	e

bath cool drink gas ice tap wash water

## How Much Water?



Draw how many glasses of water you should drink every day.

---

Draw how many buckets of water a cow drinks to make 1 bucket of milk.



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Draw the number of buckets of water it take to fill a bath.



---

Draw the number of buckets of water it takes for a shower.



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## Why is Water so Important?

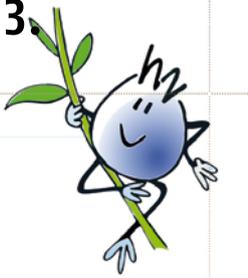
1.



2.



3.



4.



Be cool follow H<sub>2</sub>O's  
**Water Wise Rules**

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## Tell me about the Water Cycle



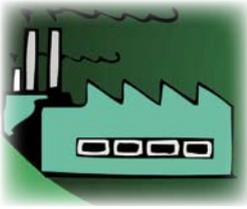
1. \_\_\_\_\_



2. \_\_\_\_\_



3. \_\_\_\_\_



4. \_\_\_\_\_

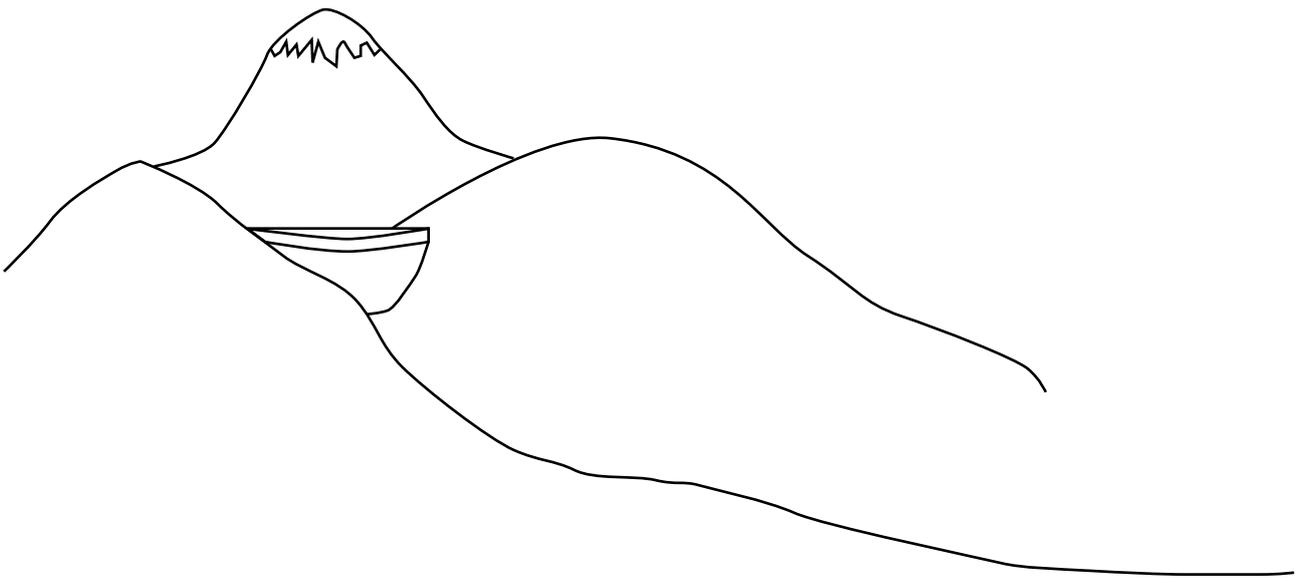


5. \_\_\_\_\_



6. \_\_\_\_\_

# Draw the Water Cycle

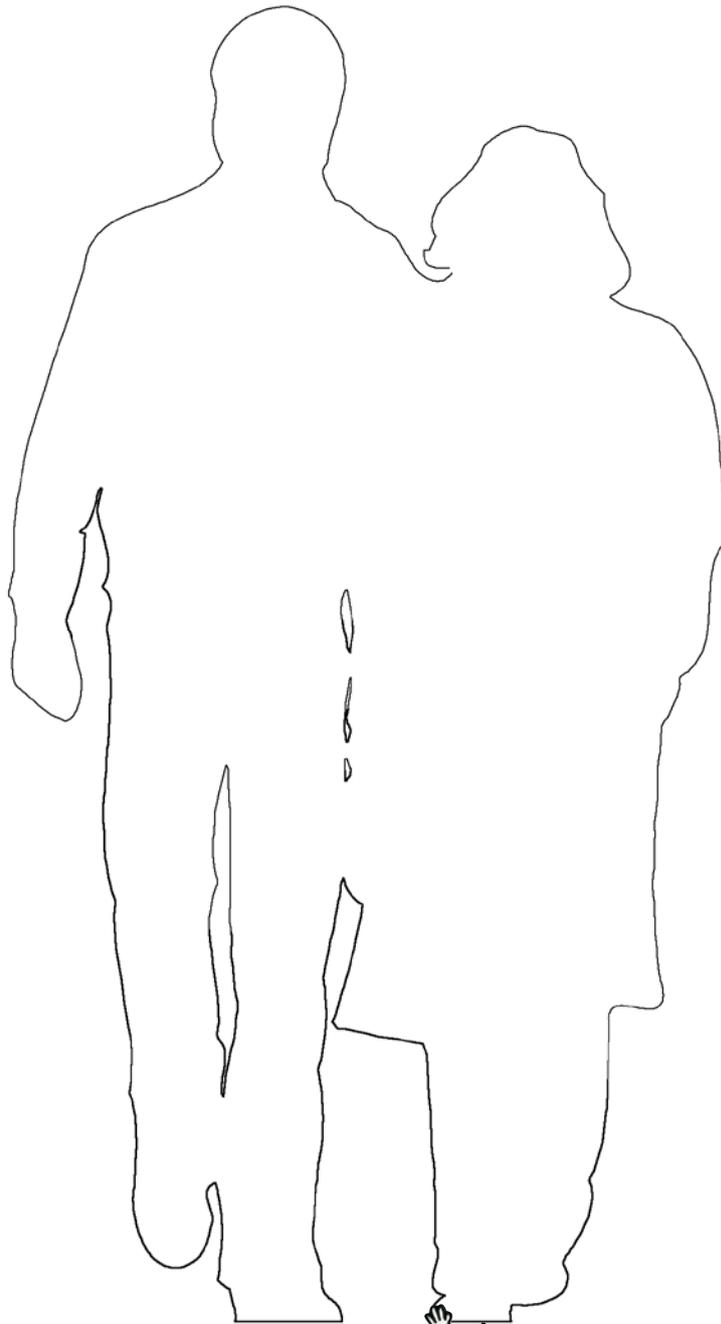


**Add: clouds, rain, sun, water treatment works,  
houses, school**

# Our Bodies

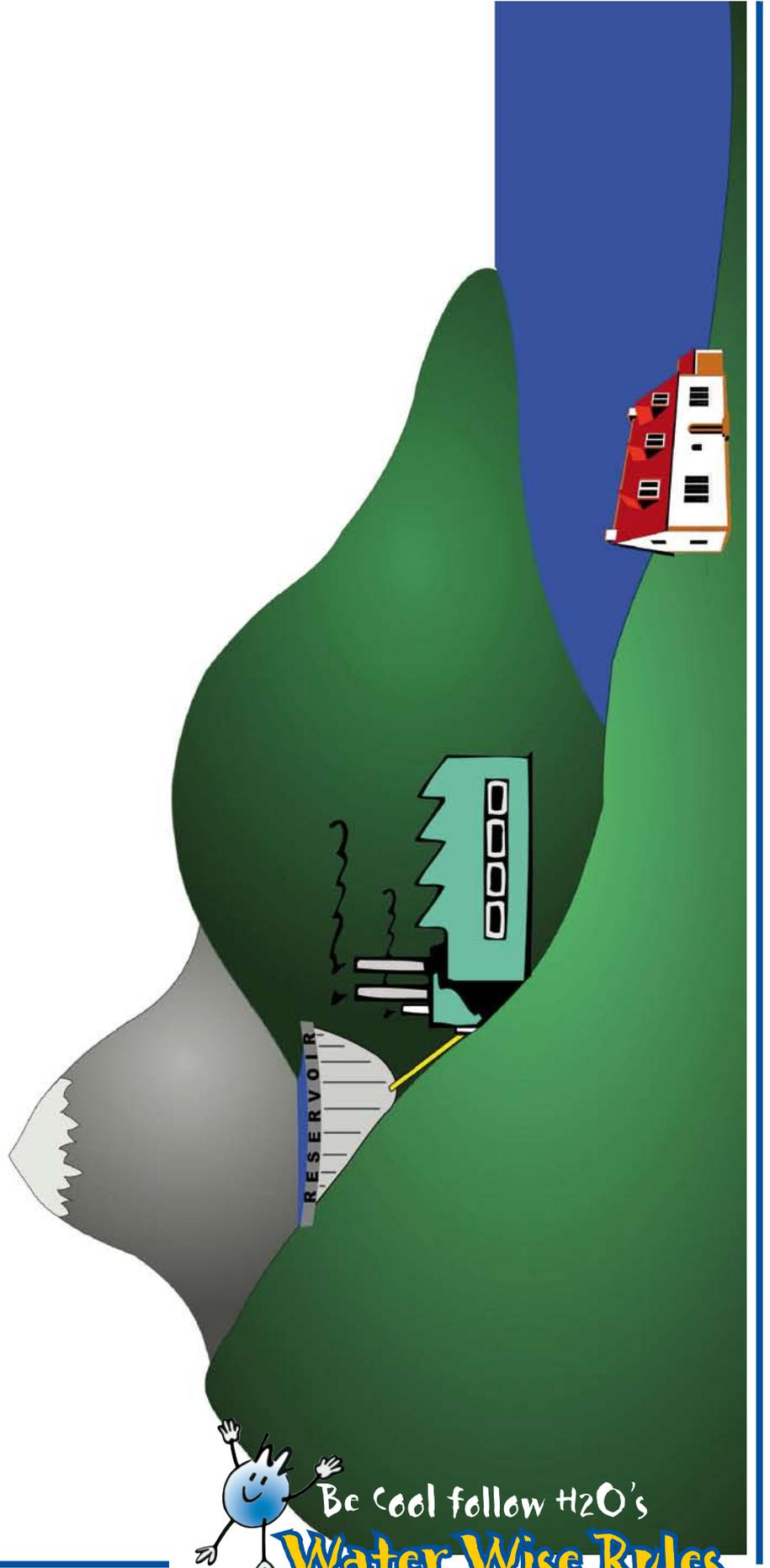
A large amount of our bodies are made up of water.

Please colour in each of these bodies to show how much you think is water.



Be cool follow H<sub>2</sub>O's  
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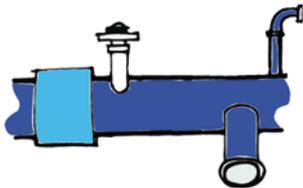
# Water Cycle Placement Game



Be Cool follow H<sub>2</sub>O's  
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# Water Cycle Game

Cut out the pictures below and place them where you think they should go in the Water Cycle



## Spot the Dangers!



H<sub>2</sub>O has spotted five serious dangers in this street scene  
– can you see them too?

# Key Stage 2. Worksheets

## Find the hidden message

c	b	e	t	c	c	b	a	k	d	r	o	l	n	a
w	l	a	a	t	e	o	r	f	n	h	a	p	p	y
b	p	o	p	k	o	i	o	i	o	t	w	o	r	g
l	i	k	p	e	w	x	d	a	v	b	m	g	e	r
m	y	u	p	h	d	v	r	w	r	t	y	u	j	c
a	w	a	t	e	r	e	i	h	o	c	e	a	n	o
n	t	h	n	k	o	p	v	m	c	a	x	z	c	o
x	s	l	l	j	w	t	e	t	n	b	s	s	h	l
z	c	t	e	e	i	u	r	b	c	w	p	n	m	v
v	a	a	d	b	c	c	s	f	f	n	t	o	k	k
r	j	p	d	r	e	f	w	b	a	t	h	w	p	z
a	c	t	p	o	i	h	v	a	s	d	v	m	m	i
i	b	n	x	t	c	n	o	u	d	a	z	t	w	w
n	d	r	i	p	t	k	k	j	a	d	g	r	o	w

Find the words listed below

bath cool drink grow happy ocean rain  
river snow tap water be drip

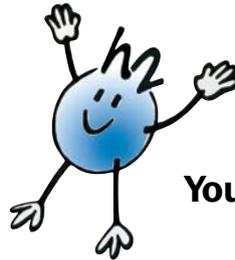
Find the hidden message

b \_ \_ \_ \_ \_ r



## H<sub>2</sub>O has Super Powers! He can change shape

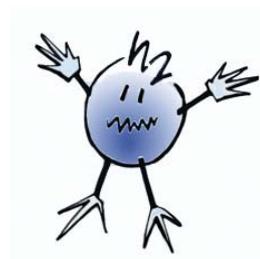
He is normally a l\_\_\_\_\_.



You will find him in

r\_\_\_\_\_, l\_\_\_\_\_, t\_\_\_\_ and the s\_\_\_\_\_.

When he f\_\_\_\_\_ he looks like this



Now he is s\_\_\_\_\_ like s\_\_\_\_\_ and i\_\_\_\_\_



He can even become a g\_\_\_\_\_

Then he is s\_\_\_\_\_ or w\_\_\_\_\_ v\_\_\_\_\_.

Use these words to fill in the blanks

steam taps water lakes vapour sea liquid ice

solid rivers freezes



Be cool follow H<sub>2</sub>O's  
**Water Wise Rules**

and Stay Street Wise Street Safe

# Help H<sub>2</sub>O unscramble the Water Wise Rules

Barriers don't fences on and climb.

1. \_\_\_\_\_

Trenches away open stay manholes from and.

2. \_\_\_\_\_

Clear lorries like equipment Keep and of diggers.

3. \_\_\_\_\_

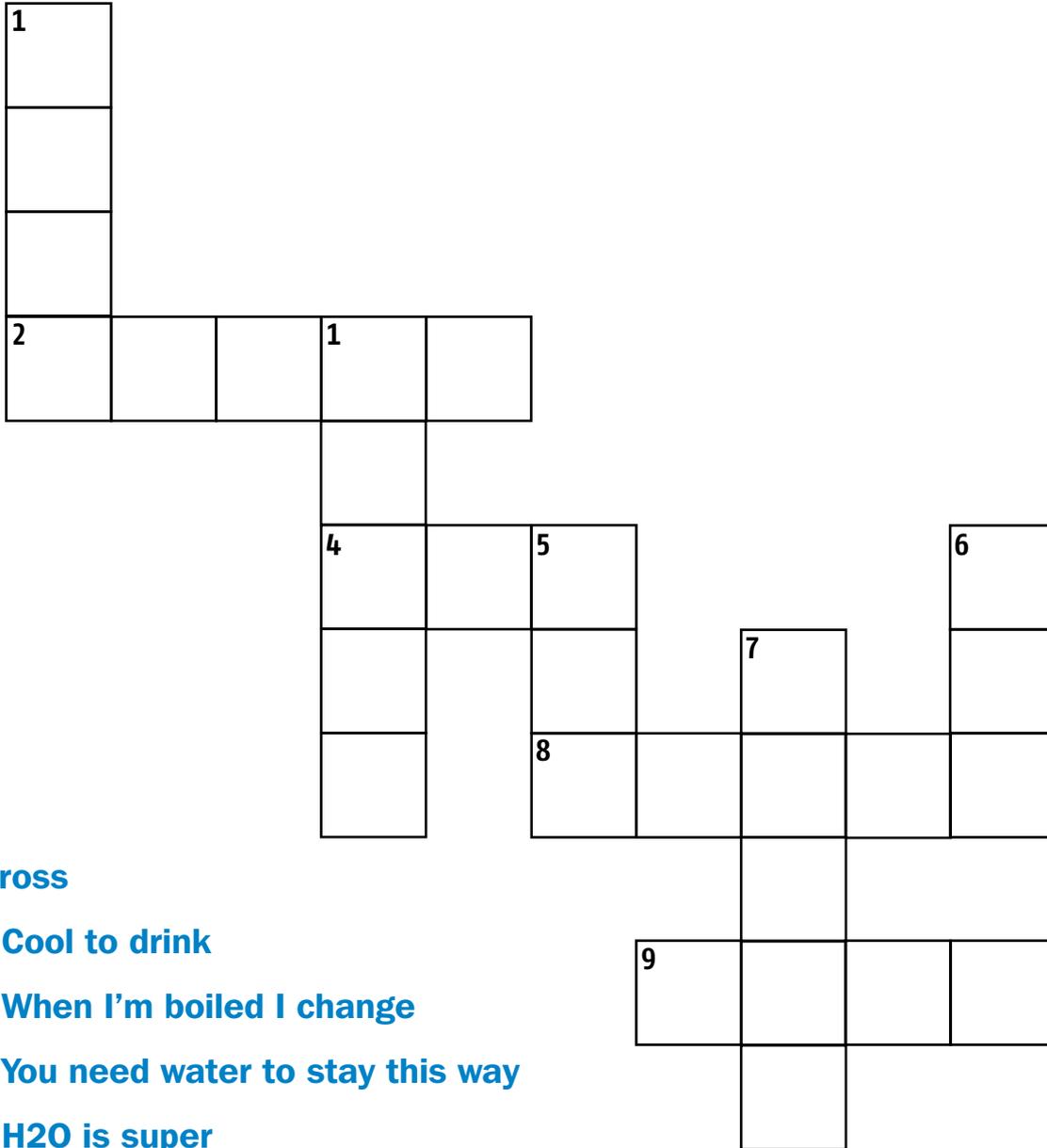
Building pipes Never materials touch or.

4. \_\_\_\_\_

Water Never Hydrant a touch

5. \_\_\_\_\_

# Criss Cross Puzzle



**Across**

- 2. Cool to drink
- 4. When I'm boiled I change
- 8. You need water to stay this way
- 9. H<sub>2</sub>O is super

**Down**

- 1. Soft and cold to play in
- 3. How many glasses of water you should drink
- 5. I have waves
- 6. Fun to slide on
- 7. Fish live here

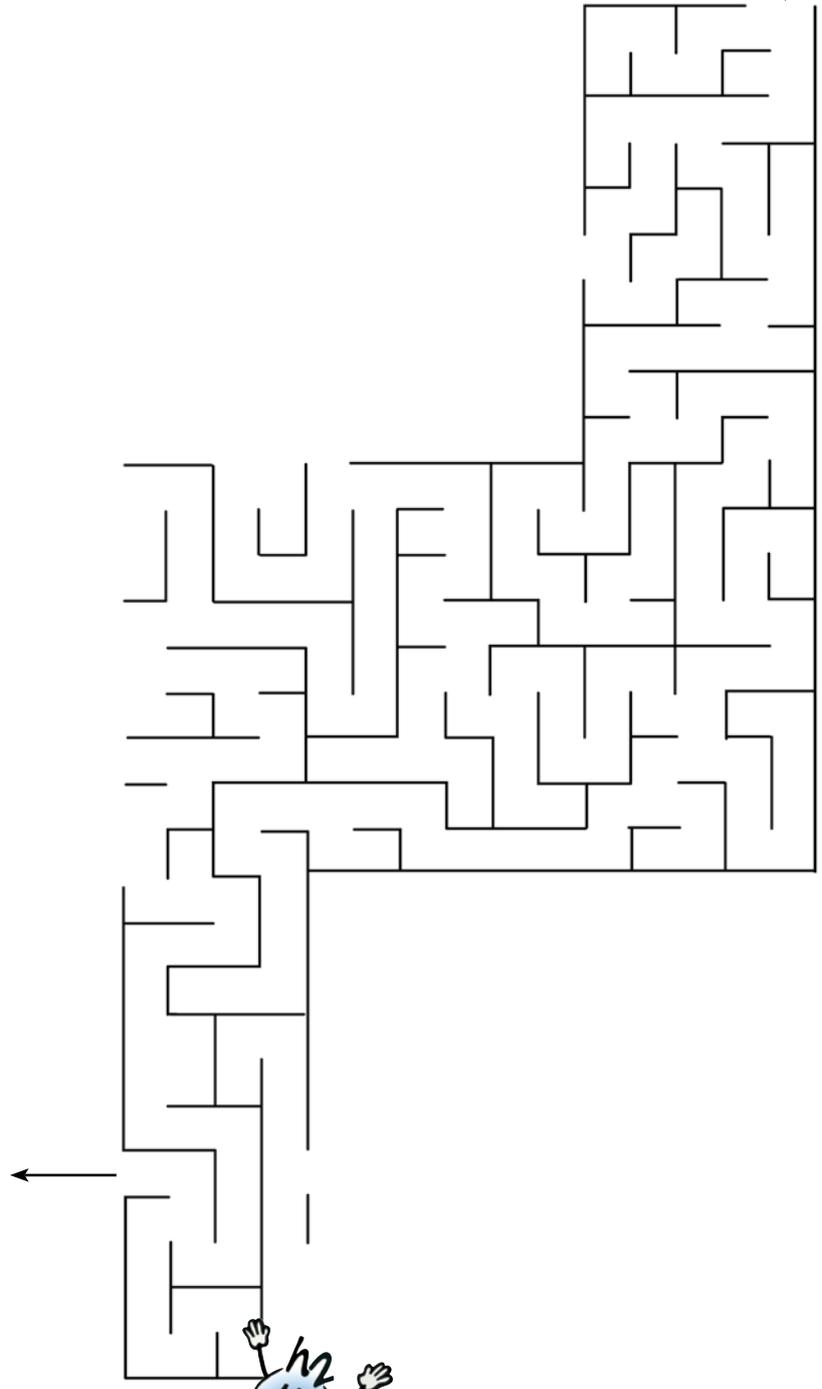
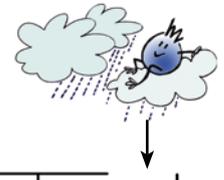
# The Water Cycle

## How much do you know?

<p>1. This is the name for rain or snow.</p> <p>A. Precipitation B. Condensation C. Evaporation</p>	<p>2. As the sun warms the earth, it turns water on earth into water vapour that rises into the air. This is called...</p> <p>A. Evaporation B. Precipitation C. Condensation</p>
<p>3. As water vapour rises, it meets cooler air that changes it back to water droplets or ice which form clouds. This is called...</p> <p>A. Evaporation B. Precipitation C. Condensation</p>	<p>4. The water that you had in your bath or shower you had last week...</p> <p>A. Has gone underground B. Has evaporated C. Is still in the water cycle</p>
<p>5. The process that keeps water moving around the earth is called...</p> <p>A. The water cycle B. Precipitation B. Evaporation C. Condensation</p>	<p>6. After rain falls on earth, it may...</p> <p>A. Evaporate B. Travel downhill until it reaches the sea C. Stay underground for years</p>
<p>7. If we use too much water, we could use up all of the water on earth.</p> <p>A. True B. False</p>	<p>8. Saving water is not important</p> <p>A. True B. False</p>



## How does water get to our homes? Then where does it go?



Be cool follow H<sub>2</sub>O's  
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## Story Planner

Super Hero H<sub>2</sub>O goes on a trip into the future. What do you think he finds?  
What can we do to help change the future?

Characters - Who?

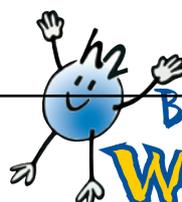
Setting - Where?

Events - What happens/

Problem - What is wrong?

What can we do to help?

How does the story end?



Be Cool follow H<sub>2</sub>O's  
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and Stay Street Wise Street Safe

# Water Topic Talk

**My topic talk is about**

**I want people to know**

**I know**

**I also want to say**

**The most interesting thing I want to tell you is**

**Finally**

# Finding Out About Water

**I am investigating**

**This is what I will do**

**To make the test fair I must**

**I think I will discover**

# Finding Out About Water

**My results were**

**This means that**

**Before I did the investigation I thought the results would show**

**So I was**

## Find the hidden message

w	r	t	y	u	t	e	e	y	s	h	i	p	o	q
g	i	f	u	s	d	i	n	g	d	o	s	f	f	c
h	k	s	o	e	r	u	i	a	d	m	n	v	c	t
b	b	m	n	y	u	w	e	s	s	w	m	p	h	a
o	d	l	y	r	c	w	s	x	z	i	j	k	u	p
v	r	s	w	w	n	a	b	y	r	s	e	q	r	e
r	i	e	z	a	u	s	c	v	b	e	t	t	a	p
g	n	a	s	t	y	h	f	c	v	l	b	m	i	l
a	k	r	y	e	t	i	k	k	p	y	g	o	n	m
b	c	e	w	r	a	s	d	c	v	t	y	i	p	l
a	v	h	r	e	w	c	o	o	l	i	s	p	a	e
t	i	r	w	j	u	l	d	t	w	s	n	a	d	s
h	d	k	e	z	i	c	e	e	x	d	o	w	f	a
a	i	o	l	h	o	i	p	a	z	p	w	e	s	f
c	b	m	g	f	d	c	f	f	p	o	j	h	s	e

Find the words listed below

bath gas ice safe wisely water drink use tap

wash sea snow

Find the hidden message

u \_ \_ \_ \_ \_ y



## Waterwise Facts

Match the pictures with the amount of water each activity uses



1) brushing teeth with the tap on



9 litres

2) 5 minute shower



6 litres

3) taking a bath



135 litres

4) using the washing machine



35 litres

5) flushing the toilet



80 litres

6) using the hose for 15 minutes



60 litres

## Water saving tips

Can you fill in the blanks to make  
top water saving tips?

Use the words at the bottom of the page to help



1. Only wash clothes when the washing machine is \_\_\_\_\_
2. Take a \_\_\_\_\_ not a \_\_\_\_\_
3. Put a \_\_\_\_\_ in your toilet to save water
4. When washing the car use a \_\_\_\_\_ and \_\_\_\_\_  
not a hose
5. Always fix \_\_\_\_\_ taps
6. Don't let the \_\_\_\_\_ run when brushing your teeth
7. Collect rain water in a \_\_\_\_\_ to use when  
watering the plants

bath	bucket
dripping	tap
hippo bag	sponge
water butt	full

# Water in the home

Unscramble the letters to find the names of 6 things that use water



1) PAT      \_ \_ \_

2) SAHWIGN    AHCINEM    \_ \_ \_ \_ \_ \_    \_ \_ \_ \_ \_ \_

3) ERWHOS      \_ \_ \_ \_ \_ \_

4) TABH      \_ \_ \_ \_

5) WTAREIGN    NAC    \_ \_ \_ \_ \_ \_    \_ \_ \_

6) SOHE      \_ \_ \_ \_

## Saving Water

Watertown Primary School in Rainy City is trying to save water. Use the water facts to help solve the problems below



### Water Facts

- ① Watertown PS has 120 pupils and 6 teachers
- ② It takes 9 litres of water to flush a toilet
- ③ A Hippo Bag reduces the amount of water flushed to 6 litres
- ④ Miss Spence has 26 pupils in her p6 class
- ⑤ A bath uses 80 litres of water
- ⑥ A 5 minute shower uses 35 litres of water
- ⑦ Each person in Rainy City uses 150 litres of water each day

1) If every pupil flushed the toilet 2 times a day. How many litres of water would be used in:

- a) 1 day \_\_\_\_\_  
b) 5 days \_\_\_\_\_

3) How many litres of water would the Hippo Bags save in:

- a) 1 day \_\_\_\_\_  
b) 5 days \_\_\_\_\_

2) Mr Drip the school caretaker has decided to put Hippo Bags in all the school toilets. If every pupil flushed the toilet 2 times a day after the Hippo Bags were fitted. How many litres of water would be used in :

- a) 1 day \_\_\_\_\_  
b) 5 days \_\_\_\_\_

4) The dripping tap in Miss Splash's room wastes  $\frac{1}{2}$  litre of water every hour. How much water does it waste in a day?

\_\_\_\_\_

5) If each pupil in Miss Splash's class had a bath every night for a week how much water would they use?

\_\_\_\_\_ litres.

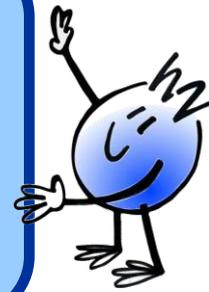
6) After learning how to be waterwise from NI Water, the class have decided to take the 5 minute shower challenge. If each pupil in the class had a 5 minute shower, instead of a bath, every night for a week how much water would they save?

\_\_\_\_\_ litres.

## Bag it and Bin it

Can you find the items in the crossword. Once you have found all the items sort them into 2 groups:

- 1) what we should flush
- 2) what we should put in the bin



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

### Words

TOILET ROLL	PEE
SWEET PAPER	PLASTERS
BABY WIPE	NAPPY
POO	TISSUE
COTTON BUD	

Flush

Bag and Bin

Flush	Bag and Bin

# Waterwise Quiz

Are you water wise or a water waster? Answer true or false to the statements below to find out!



1. Most of the water on earth is fresh water? \_\_\_\_\_
2. Having a 5 minute shower uses more water than a bath? \_\_\_\_\_
3. You should fix dripping taps? \_\_\_\_\_
4. Always turn off the tap when brushing your teeth? \_\_\_\_\_
5. Using a hose to water the plants in the garden saves water? \_\_\_\_\_
6. Always fully load the washing machine? \_\_\_\_\_
7. A water butt can help save water in the garden? \_\_\_\_\_
8. Keep the tap running when washing the dishes? \_\_\_\_\_