

Water Fun!



Colour me!

Can you find the hidden words?

(G)	D	L	R	I	V	E	R	E	Q	V	M	<input checked="" type="checkbox"/> GROUNDWATER AQUIFER RIVER RAIN LIQUID SOLID ICE SWIM WELL CLOUD THIRSTY BOAT
(R)	P	S	Z	Q	F	L	I	Q	U	I	D	
(O)	C	U	M	N	E	G	R	I	W	L	Y	
(U)	G	E	H	F	R	R	A	S	C	T	H	
(N)	U	A	T	M	S	B	I	T	S	E	E	
(D)	L	Y	Q	U	S	W	N	R	F	P	P	
(W)	E	T	A	U	L	O	I	Q	K	M	C	
(A)	Z	F	Z	L	I	H	L	H	I	B	L	
(T)	K	H	E	R	T	F	I	I	D	Z	O	
(E)	Z	W	G	T	T	Z	E	M	D	L	U	
(R)	Y	P	I	M	F	Y	C	R	W	L	D	
O	W	B	O	A	T	J	X	L	T	P	W	

Be good to your water

In Waterloo Region, we rely on groundwater and water from the Grand River for our drinking water. Help protect and conserve this important resource.



I will help look after water by:

How to make an aquifer that's good enough to eat

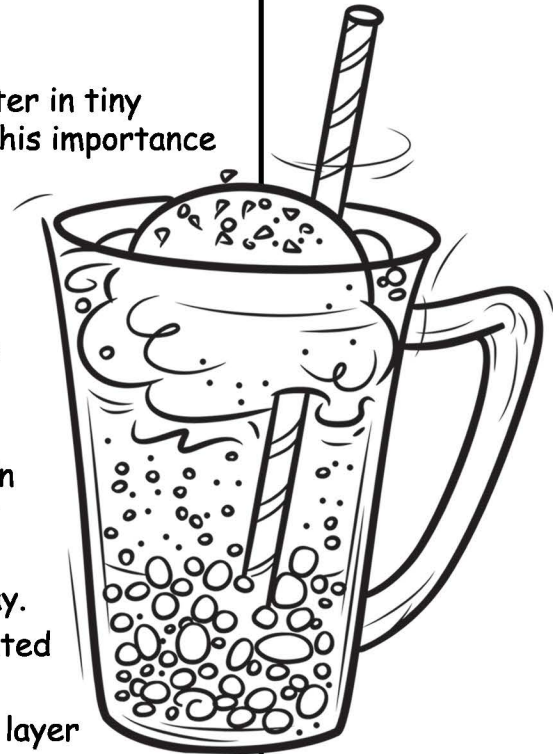
An aquifer is an underground area that holds large amounts of water in tiny spaces between rocks and sediment. Have fun making a model of this important source of drinking water!

Instructions:

In a glass cup:

- 1) Create a layer of crushed ice, gummy bears and chocolate chips on the bottom. This represents the sand and gravel that make up an aquifer.
- 2) Cover the first layer with lemon-lime soda, which replicates rain water. Your aquifer is now filled with "water" that can be brought to the surface.
- 3) Add ice cream, which will act as a "confining layer", just like clay.
- 4) Optional: add a layer of crushed ice to represent the "unsaturated zone" where both water and air exist.
- 5) Finally, scatter chocolate sprinkles on top. This represents the layer of soil at the surface.

Using a straw, "drill" a well into the centre of your aquifer. "Pump the well" by slowly sucking on the straw. Enjoy drinking this tasty aquifer!



Region of Waterloo



www.regionofwaterloo.ca/water