



Hey Kids!
 Here's some cool stuff to help you learn about one of Earth's most precious resources -- **WATER!**

An experiment you can do at home in the kitchen sink!

Color Alex...

Alex saves water every time he brushes his teeth by turning on the faucet only to rinse his toothbrush and clean out the sink when he's done.



BENDING WATER...

Here's what you need:

- ◆ a steady trickle of water from the kitchen faucet (more than droplets),
- ◆ an inflated balloon,
- ◆ a head of hair or a nylon/ acrylic flat surface.

TRY THIS:

Adjust the water flow from the faucet so it's a trickle. Notice it is a straight line. Let it run. Rub your balloon in one direction over your hair or across the nylon/acrylic surface numerous times.

Quickly place the balloon close to the trickle of water but DO NOT touch the water. Watch carefully! What happens? (If you don't see anything happen, try again. It may take a couple of attempts before enough static electricity is available to affect the path of the water.)



And the explanation is.....

Water molecules are made up of atoms that are made up of protons (+) and electrons (-) that have electrical charges (static electricity). These atoms also have a positive and a negative end, and move in response to other atoms' electrical charges. When you put the balloon (+ charge) close to the trickling water, the water's atoms turn to align themselves so that their negative end reaches out to the balloon's positive atoms. This water experiment is a great example of the scientific rule that **OPPOSITE ELECTRICAL CHARGES ATTRACT EACH OTHER.**

Can you find all these hidden water words?

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

alligator	clouds	faucet	jetski	rainbarrel
amphibian	condensation	fish	lake	recreation
aquifer	conservation	frog	pond	reservoir
bass	dam	groundwater	precipitation	river
boat	ducks	harvest	rain	transpiration