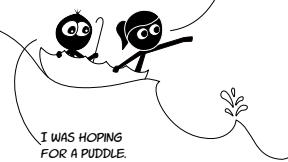


THE WATER'S MOVING FASTER! LOOKS LIKE WE'RE IN A RIVER!



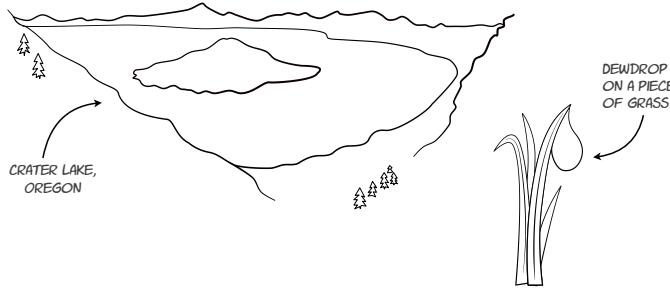
## SCIENCE MOM

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# SCIENCE MOM'S Guide to WATER, Part 2



Think of a big lake versus a dewdrop. Pretty big difference in size, right?

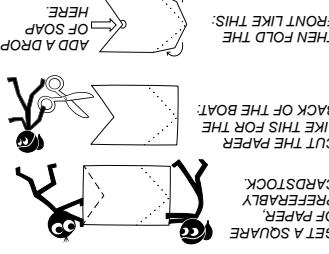


The dewdrop is SUPER small compared to the lake. But a water molecule (the smallest bit of water you can have) is MUCH smaller than a dewdrop. A single drop of water has more than 1,000,000,000,000,000,000 water molecules! That huge number with 21 zeros is called a sextillion, and it is a **TRILLION TIMES BIGGER** than one billion.

1

2

- 6
- 5
- 4
- 3
- 2
- 1



### 2. Soap Boat

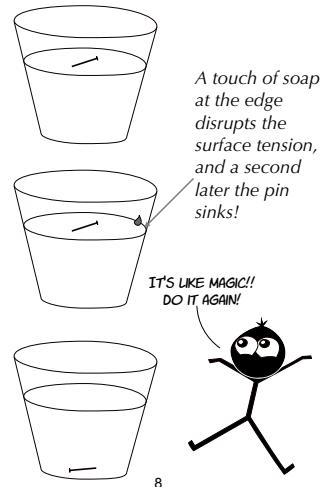
### 3. Floating Pin

#### Materials:

- A small pin or needle
- Bowl or cup
- Concentrated dish soap
- Water

#### Method:

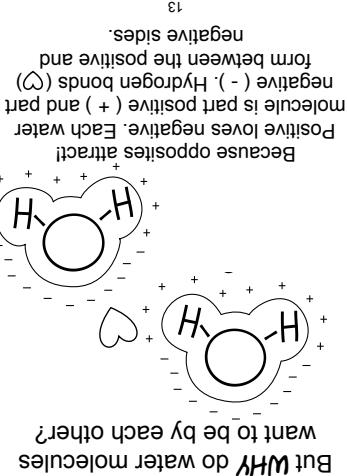
- a) Fill bowl or cup with water and carefully place pin on surface. Hint: tweezers may help. The pin must be flat with the surface of the water. It will sink if it comes in at an angle.
- b) Add a touch of soap.
- c) Watch the pin sink!



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THAT'S SO COOL THAT PART OF WATER IS POSITIVE AND THE OTHER HALF HAS A NEGATIVE CHARGE. THEREFORE, GOT TO BE A WORLD FOR IT.



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### 4. Floating Paperclip

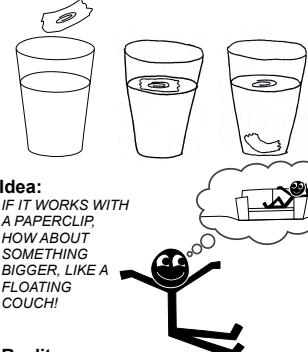
#### Materials:

- Paper clip
- Tissue paper or paper towel
- Cup or bowl
- Water

#### Method:

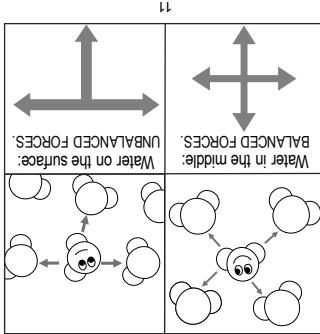
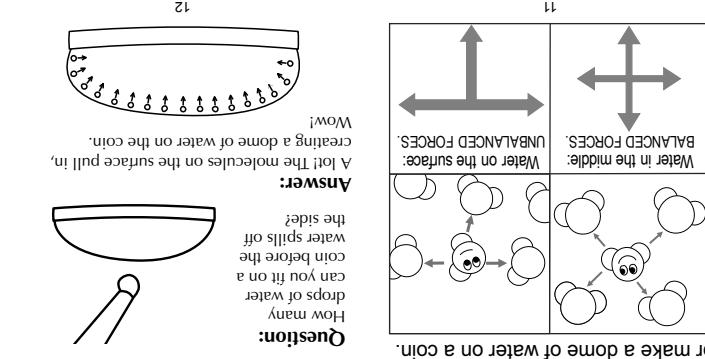
- a) Fill the cup with water and gently place a piece of tissue paper on the surface.
- b) Carefully place a dry paperclip on the tissue.
- c) The tissue should sink. If it doesn't, give it a gentle push downward.

Tip: be sure that the cup and water are not soapy.



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### HOW DOES IT WORK? SURFACE TENSION.

Water molecules like each other more than they like air, so the molecules on the surface pull in, creating a dome of water on the coin.

B

A

A

X

B

C

C

D

F

E

E

D

E

G

G

X