SEE? RAIN IS NO PROBLEM WHEN YOU HAVE AN UMBRELLA.



More FREE Science Mom Guides at www.JennyBallif.com

10 COOK NKE KON;

COLOR THIS SCIENTIST



amazed! c) Remove hand and be ·(uwop əpisdn INVERT the cup (Turn it bns bil to qot no bnsd tuq (d

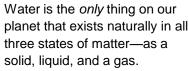
place the lid on top. s) bont water in the cup and

:poq;əM

cardstock or cardboard. Plastic lid, or a piece of Water

dnე Materials:

1. Gravity Defying Lid





Gaseous water, or water vapor, is invisible. You can't see it, but it's in the air around you and we call it humidity.

properties.

waters' incredible

to learn more about

Ly these investigations

HOW DOES IT WORK?

Cohesion! That means water

molecules like to stick together.

gravity, but their attraction for each

bottom of the jar, just like the lid or

water stays in the jar-until you tip

When you invert the jar those

other is strong enough they

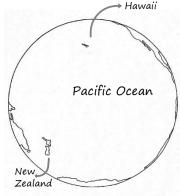
effectively form a "lid" on the

investigation. If air can't get in,

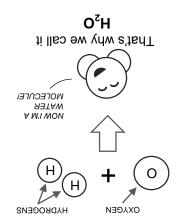
then water can't go out. So the

cardboard did in the first

water molecules feel the tug of



Oceans cover most of the planet, and so does another form of water: clouds.



plus two hydrogens. Water is one oxygen atom

Gravity says But then we'd have to split we should up! There's a screen. go down. Haha! Our attraction for each other is stronger than Hey! What gravity happened?

The gravitational force overcame our hydrogen

the other with cold. one with warm water and p) Fill each cup to the brim, tood coloring to each cup. a) Add different colors of

:poq;əm

bonding.

Warm and cold water 2 identical clear cups

A flat lid or cardboard

Food coloring

Materials:

3. Hot & Cold Cups

2. Magic Screen

99

Materials:

- Jar with a metal ring
- A piece of screen or mesh
- Lid
- Water

Method:

- a) Fill jar to rim and secure screen on top.
- b) Cover with lid and invert.
- c) Remove lid and observe.

No jar? No problem. Use a cup and rubber band.



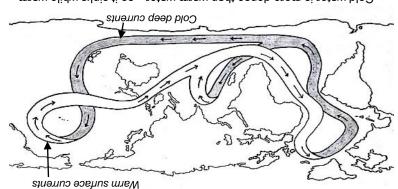


circulates all the water in the oceans.

THE WATER'S STAYING

IN THE JAR! AMAZING!

the oceans—a massive system of currents that slowly but steadily water "floats" on top. This phenomenon drives thermohaline circulation in Cold water is more dense than warm water—so it sinks while warm





trom between the cups. d) Slowly, slide the lid out top of the other cup. and invert it, then set it on c) Place a flat lid on one cup