

SCIENCE MEMM

www.youtube.com/ScienceMom

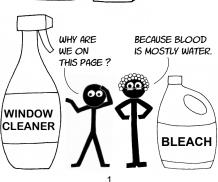
SCIENCE MOM'S Guide to WATER, Part 5

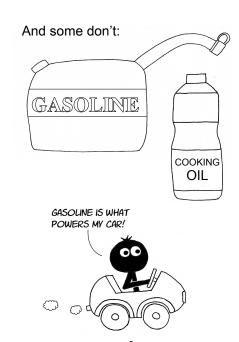


The water was salty.
They had reached the OCEAN.

Some liquids have water in them:







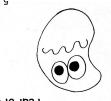
If you mix water with something hydrophobic, they won't stay mixed. (Unless you make an emulsion, like with homogenized milk.)





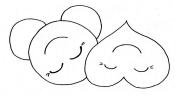
If you mix water with something hydrophilic, it makes a SOLUTION — it mixes so well that it won't come unmixed on its own.





Tear of water

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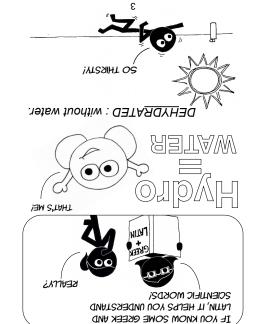
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AA37 = BIGONY

FRANCOPHILE: someone who loves





1. Ocean in a bottle

Materials:

- Water
- Oil
- Plastic or glass bottle with lid
- Food coloring

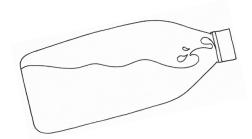
Method:

a) Pour water and oil into a bottle.
b) Add food coloring and shake the bottle gently to color the water.
c) Tip the bottle from side to side to observe waves and the beautiful movement of the liquids.

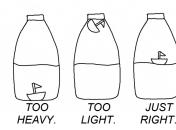
To make a small boat, use plastic pony beads as the body of the boat, a small piece of a toothpick as the mast, and thin plastic or tinfoil for the sail.

Carefully assemble with hot glue.

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It may take a bit of experimenting to build the right boat:



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2. Lava Lamp

Materials:

- Food coloring
- WaterPlastic bottleOil
- Alka-Seltzer or other effervescent antacid tablet

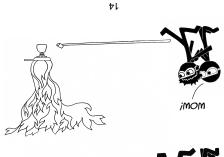
Method:

- a) Place three times as much oil as water into a plastic bottle.
- b) Color the water with food coloring.
- c) Add the antacid tablet and watch the beautiful show of color and movement as the water is carried up.

<u>WARNING</u>: DO **NOT** PUT THE LID ON THE BOTTLE.

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NEVER PUT WATER ON A GREASE FIRE. 13

the skillet.

c) CAREFULLY use the long pole and cup to pour water onto the skillet.

Place the camp stove OUTSIDE and heat the oil in the skillet.
 If the oil does not catch on fire spontaneously, drop a match in

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- to a long pole.
- Camp stove Matches Cup of water attached
 - Skillet
 Matche
- Materials:

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4. Grease Fire Explosion





hole in the center.

c) Roll up a piece of tissue paper and thread it through the hole, then place the holder in the oil and light the paper wick.

plastic to hold the wick.

b) Fold it in half and cut a small below it in half and cut a small below in the compart.

a) Cut out a piece of cardboard or

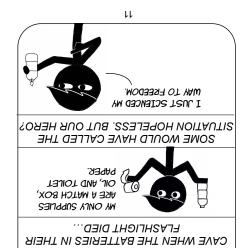
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- Matches Cardboard Cup Water (optional)
- Tissue paper
 - Materials:

3. Oil lamp

WARNING! ONLY DO THIS INVESTIGATION IF YOU
HAVE ADULT PERMISSION AND SUPERVISION.





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E	G		