

SMG

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SCIENCE MOM'S Guide to WATER, Part 5

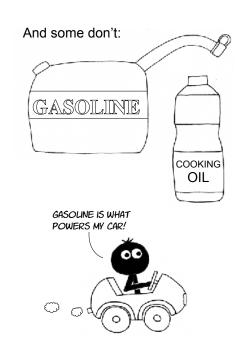


The water was salty. They had reached the OCEAN.

Some liquids have water in them:







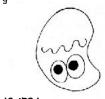
homogenized milk.) (Unless you make an emulsion, like with hydrophobic, they won't stay mixed. If you mix water with something





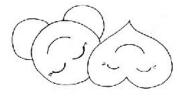
numixed on its own. it mixes so well that it won't come hydro**philic**, it makes a SOLUTION . If you mix water with something





Pear of water

sidodqoabyH

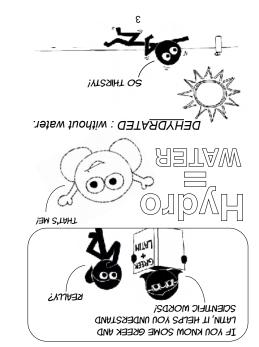


Love of water SilingorbyH



France and French culture. FRANCOPHILE: someone who loves





1. Ocean in a bottle

Materials:

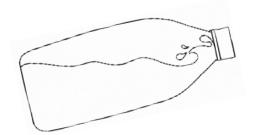
- Water
- Oil
- Plastic or glass bottle with lid
- · Food coloring

Method:

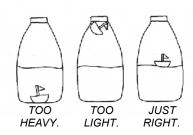
a) Pour water and oil into a bottle. b) Add food coloring and shake the bottle gently to color the water. c) Tip the bottle from side to side to observe waves and the beautiful movement of the liquids.

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.

7



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



2. Lava Lamp

Materials:

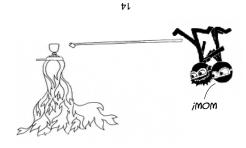
- Oil
- Water • Plastic bottle • Food coloring
- · Alka-Seltzer or other effervescent antacid tablet

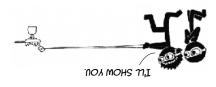
Method:

- 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.

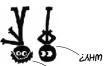
WARNING. DO **NOT** PUT THE LID ON THE BOTTLE.











ON A GREASE FIRE. VEVER PUT WATER 13

and cup to pour water onto the c) CAREFULLY use the long pole spontaneously, drop a match in the p) It the oil does not catch on fire

and heat the oil in the skillet. a) Place the camp stove OUTSIDE :bodtəM

> to a long pole. Cup of water attached

> > Materials:

 Camp stove Matches Skillet IIO •

ADULT PERMISSION AND ADULT SUPERVISION. ONLY DO THIS INVESTIGATION IF YOU HAVE WARNING! DO NOT DO THIS EXPERIMENT INSIDE.

4. Grease Fire Explosion





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

b) Fold it in half and cut a small plastic to hold the wick. a) Cut out a piece of cardboard or

:poq;əM

 Water (optional) quO • • Cardboard • Matches Tissue paper IIO •

Materials:

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

3. Oil lamp



SITUATION HOPELESS. BUT OUR HERO? SOME WOULD HAVE CALLED THE



FLASHLIGHT DIED... CAVE WHEN THE BATTERIES IN THEIR THE HERO WAS TRAPPED IN A DARK



\mathbf{B}	A		
B			D
F	E	E	b
E	G		