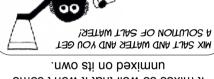


Check out my YouTube Channel! www.youtube.com/ScienceMom



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



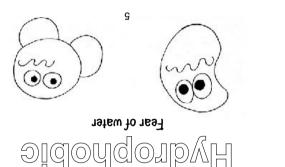


If you mix water with something hydrophilic, it makes a SOLUTION – it mixes so well that it won't come it mixes so well that it won't come

SCIENCE MOM'S Guide to WATER. Part 5



The water was salty.
They had reached the
OCEAN.





SIIINGOTDWH Love of mater

Some liquids have water in them:

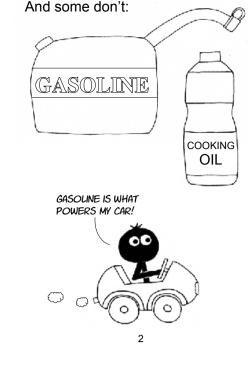




ARACHNOPHOBIA: fear of spiders.

FRANCOPHILE: someone who loves

France and French culture.







IE NON KNOM SOWE GEEEK UND

1. Ocean in a bottle

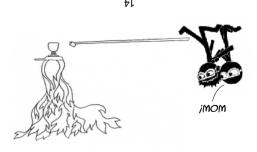
Materials:

- WaterOil
- 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.



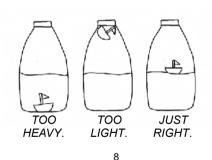




NEVER PUT WATER ON A GREASE FIRE.



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



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skillet.

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

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

Method:

- to a long pole.
- Camp stove Matches
 - Oil
 Skillet
 Camp stove
 Matche

Materials:

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

4. Grease Fire Explosion

2. Lava Lamp

Materials:

EKHNCEi

ANYE CA

I'M NOT HALF AS SCARY AS YOU ARE.

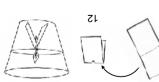
- Water Oil
- Alka-Seltzer or other effervescent antacid tablet

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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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.

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

:poq;əM

• Matches • Cardboard • Cup • Water (optional)

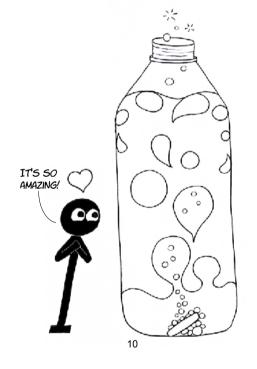
Tissue paper

iO •

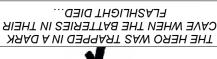
WARNING! ONLY DO THIS INVESTIGATION.

MATERIAIS:

3. Oil lamp









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B			
F	E	E	b
E	G		