



SCIENCE MOM

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If you mix water with something homogenous you make an emulsion, like with hydrophobic, they won't stay mixed.

(Unless you mix water with something hydrophobic, they won't stay mixed.)

Mix oil and water and you get oil and water and you get a solution of salt water!

Mix salt and water and you get a solution of salt water.

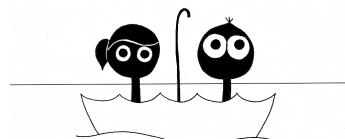
If you mix water with something it mixes so well that it won't come unmixed on its own.

hydrophilic, it makes a SCULPTURE -

If you mix water with something that's soemthing it mixes so well that it won't come unmixed on its own.

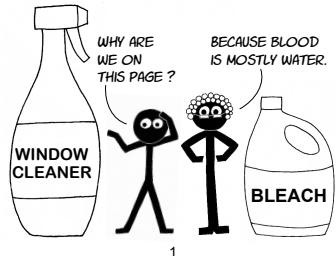
Mix oil and water and you get oil and water and you get a solution of salt water!

SCIENCE MOM'S Guide to WATER, Part 5

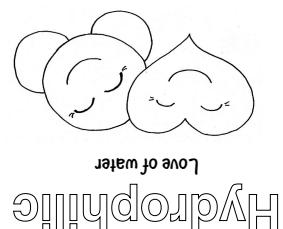
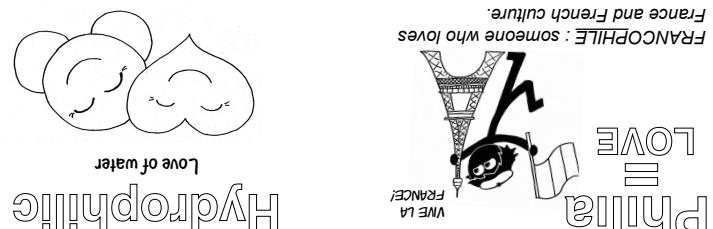
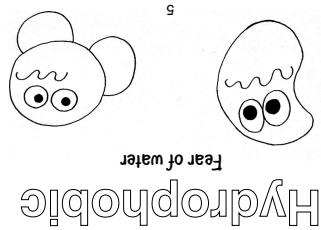
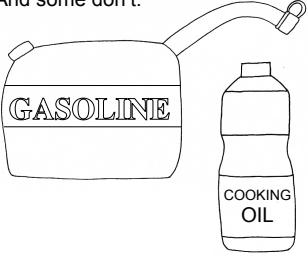


The water was salty.
They had reached the OCEAN.

Some liquids have water in them:



And some don't:



1. Ocean in a bottle

Materials:

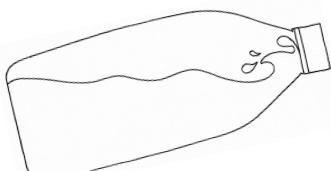
- Water
- Oil
- Plastic or glass bottle with lid
- Food coloring

Method:

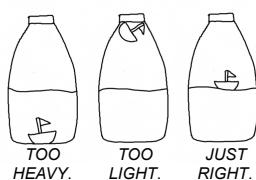
- Pour water and oil into a bottle.
- Add food coloring and shake the bottle gently to color the water.
- Tip the bottle from side to side to observe waves and the beautiful movement of the liquids.

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:



2. Lava Lamp

Materials:

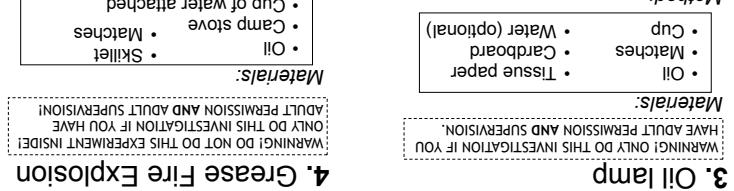
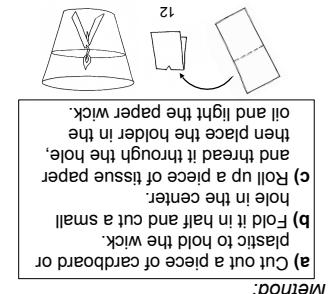
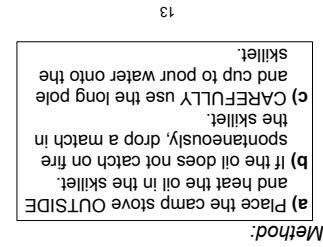
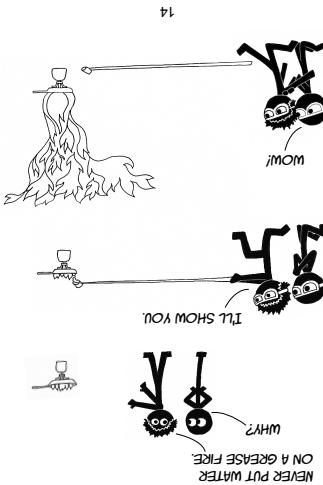
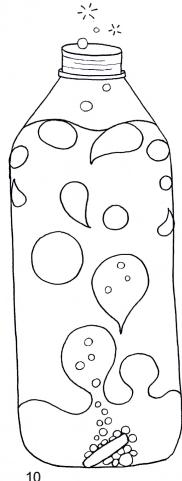
- Water
- Food coloring
- Plastic bottle
- Oil
- Alka-Seltzer or other effervescent antacid tablet

Method:

- Place three times as much oil as water into a plastic bottle.
- Color the water with food coloring.
- 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.

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C

C

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E

E

D

E

G

G

X