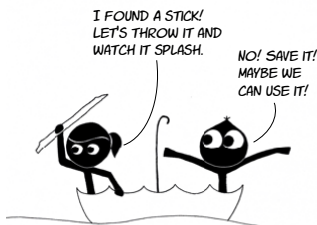


SCIENCE MOM'S Guide to WATER, Part 5

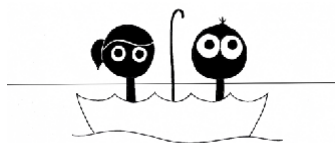
Some liquids have water in them:

And some don't:

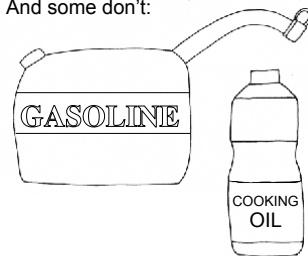


Check out my YouTube Channel!
www.youtube.com/ScienceMom

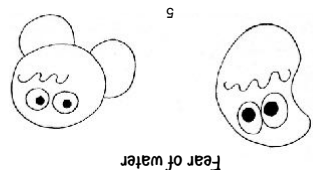
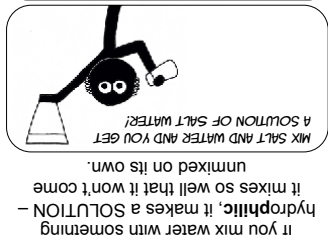
SCIENCE
MOM



The water was salty.
They had reached the
OCEAN.



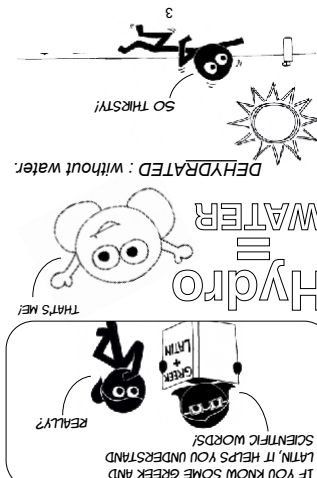
If you mix water with something hydrophobic, they won't stay mixed. (Unless you make an emulsion, like with homogenized milk.)



Hydrophobic



Hydrophilic



1. Ocean in a bottle

Materials:

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



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



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.

2. Lava Lamp

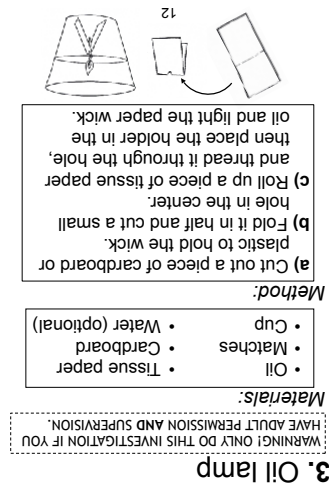
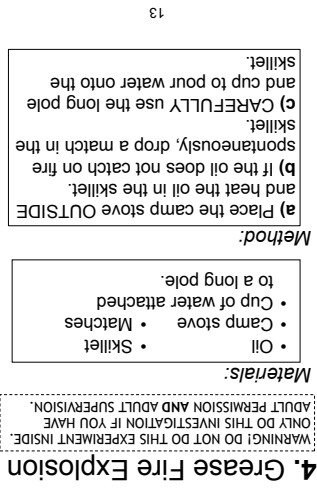
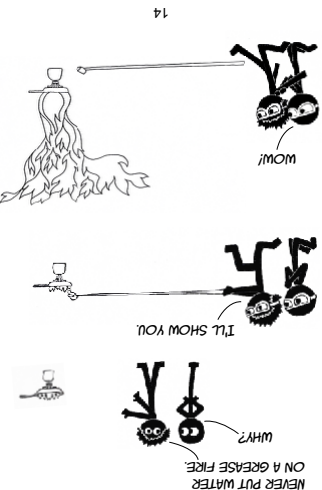
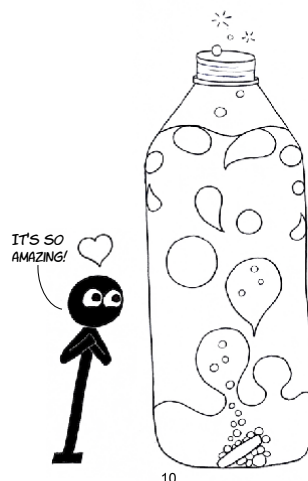
Materials:

- Water
- Oil
- Plastic bottle
- Food coloring
- 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.



B	A	A	X
B	C	C	D
F	E	E	D
E	G	G	X