

SCIENCE MOM

JENNYBALLIF.COM
www.youtube.com/ScienceMom



1. Ocean in a bottle

Materials:

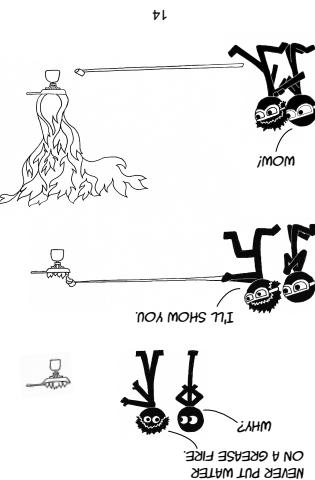
- Water
- Oil
- Plastic or glass bottle with lid
- Food coloring

Method:

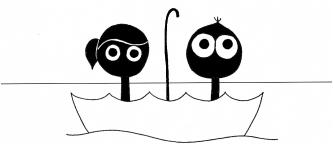
- Pour water and oil into a bottle.
- Add food coloring and shake the bottle gently to color the water.
- Tip the bottle from side to side to observe waves and the beautiful movement of the liquids.

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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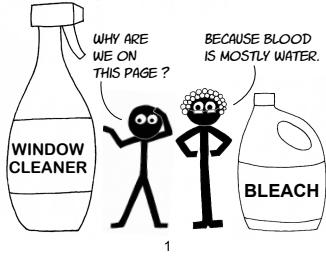


SCIENCE MOM'S Guide to WATER, Part 5

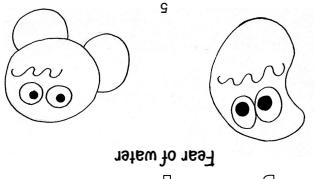
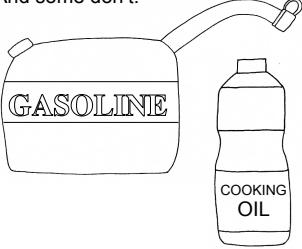


The water was salty.
They had reached the OCEAN.

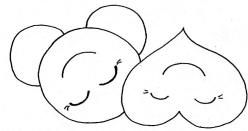
Some liquids have water in them:



And some don't:



Hydrophobic



Love of water

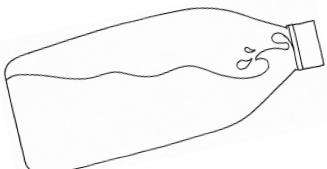
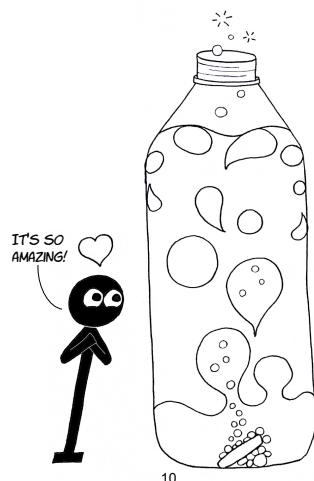
Hydrophilic



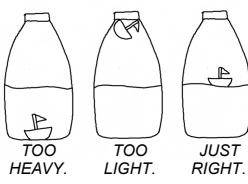
2
Francophile : someone who loves France and French culture.



1
France!



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



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2. Lava Lamp

Materials:

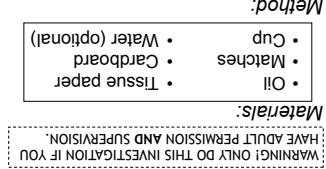
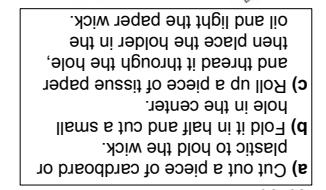
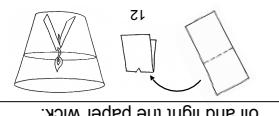
- Water
- Food coloring
- Plastic bottle
- Oil
- Alka-Seltzer or other effervescent antacid tablet

Method:

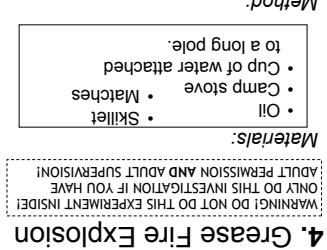
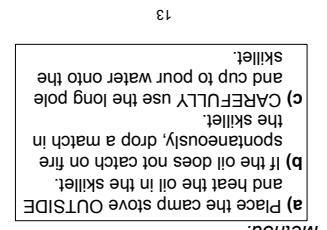
- Place three times as much oil as water into a plastic bottle.
- Color the water with food coloring.
- Add the antacid tablet and watch the beautiful show of color and movement as the water is carried up.

WARNING:
DO NOT PUT THE LID ON THE BOTTLE.

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NEVER DO THIS INVESTIGATION IF YOU HAVE ADULT PERMISSION AND ADULT SUPERVISION!



16
3. Oil lamp

B

A

A

X

B

C

C

D

F

E

E

D

E

G

G

X