



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



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



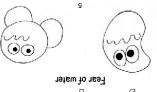


it mixes so well that it won't come hydrophilic, it makes a SOLUTION -If you mix water with something

## SCIENCE MOM'S Guide to WATER, Part 5



The water was salty. They had reached the OCEAN.



**SidoAqonbyH** 



allidgoabyH



Some liquids have water in them:

Juice

SOY SAUCE

BECAUSE BLOOD IS MOSTLY WATER.

Milk

WINDOW

**LKHNCE**;

ANE CA

Materials:

Method:

2. Lava Lamp

· Plastic bottle

coloring.

· Alka-Seltzer or other

effervescent antacid tablet

a) Place three times as much oil

as water into a plastic bottle. b) Color the water with food

c) Add the antacid tablet and

water is carried up.

watch the beautiful show of color and movement as the

WARNING:

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

• Oil

· Food coloring

WHY ARE WE ON

THIS PAGE ?







## 1. Ocean in a bottle

## Materials:

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

## Method:

a) Pour water and oil into a bottle. b) Add food coloring and shake the

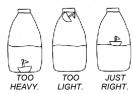
bottle gently to color the water. c) Tip the bottle from side to side to observe waves and the beautiful movement of the liquids.

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.

τl



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





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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

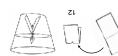
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to a long pole. Cup of water attached • Camp stove

 Matches Skillet IIO •

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

4. Grease Fire Explosion



oil and light the paper wick. then place the holder in the and thread it through the hole, c) Roll 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

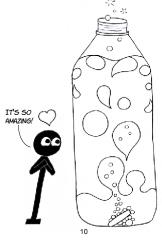
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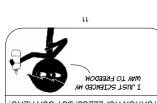
 Water (optional) dno. · Cardboard · Matches Lissue paper

IIO • Viateriais:

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

3. Oil lamp



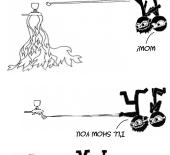


SOME WOULD HAVE CALLED THE SITUATION HOPELESS. BUT OUR HERO?



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







ON A GREASE FIRE.

Materials:

$\mathbf B$	A	A	X
B	C		D
F	E	I	D
E	G	Ð	X