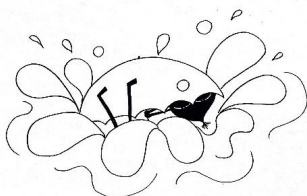




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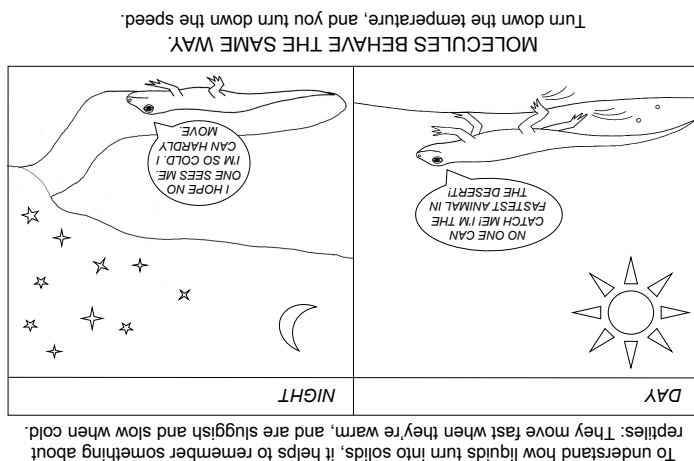
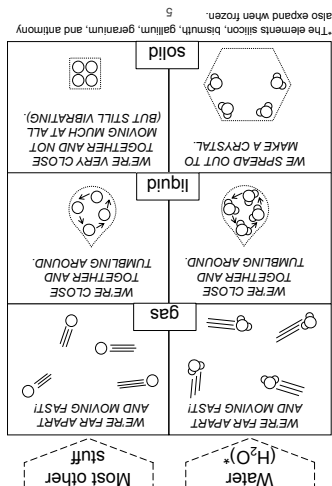
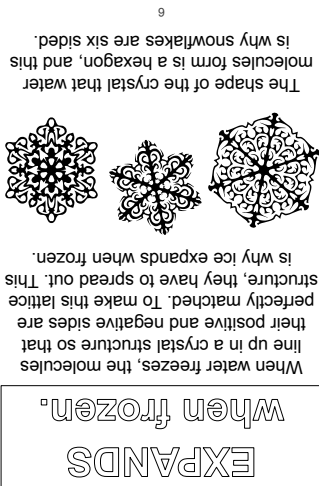
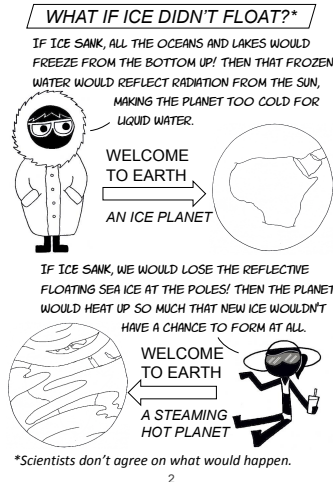
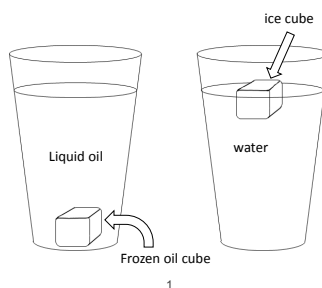
SCIENCE MOM'S Guide to WATER Part 4

Splash!



Ice floats in liquid water, but the OPPOSITE happens for most other substances!

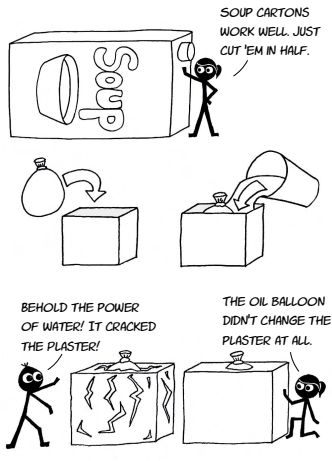
To see the "regular" way solids behave, place a frozen cube of oil into a cup of liquid oil. It will sink straight to the bottom.



1. Frost Wedging

- Materials:**
- Water
 - Oil
 - 2 identical containers
 - Plaster of Paris or gypsum
 - Balloons
 - Freezer

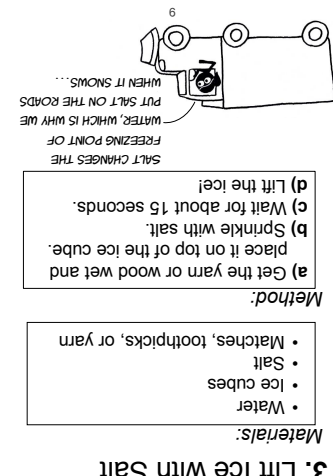
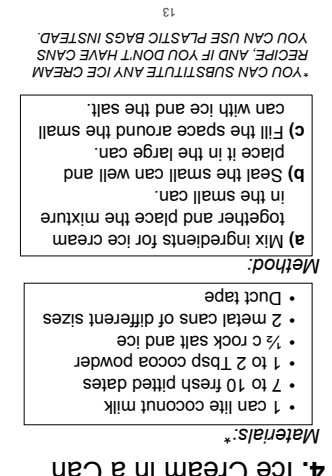
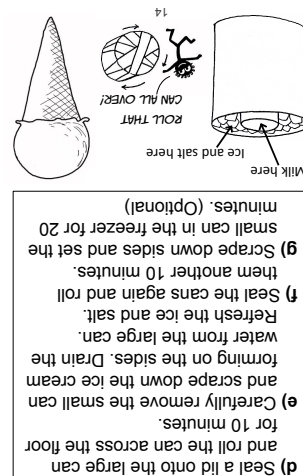
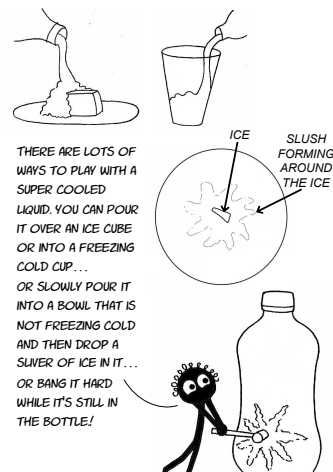
- Method:**
- Fill one balloon with water and one balloon with oil (optional).
 - Prepare containers for plaster, for example, by cutting a small cardboard container in half.
 - Place balloons in containers.
 - Mix plaster & water according to directions and pour it in the containers around the balloons.
 - Let dry and then freeze. Remove containers and observe.



2. Magic Slushy

- Materials:**
- Bottles of carbonated soda
 - Freezer
 - Cup and spoon

- Method:**
- Place the bottle of soda in the freezer for 3 hours. (YOU MAY WANT TO PLACE SEVERAL IN THE FREEZER AND TAKE THEM OUT AT 30 MINUTE INTERVALS ONCE THEY'VE BEEN IN THE FREEZER FOR AN HOUR. THE CORRECT TIME TO REACH THE "SUPER COOLED" STATE WILL VARY BY FREEZER.)
 - Remove soda and be careful not to bump or jar it too hard. Open lid slowly and pour soda into an ice-cold cup. If it is super-cooled, it will freeze into a slushy as it is poured.



B

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