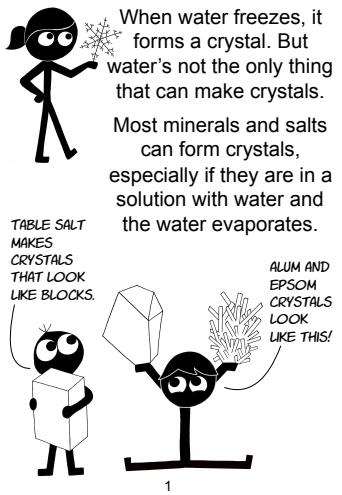
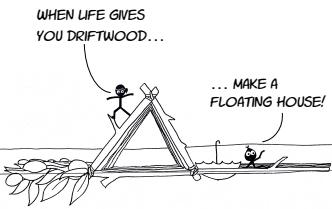




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SCIENCE MOM'S
Guide to WATER, Part 6

WHAT IS THIS

CRYSTAL

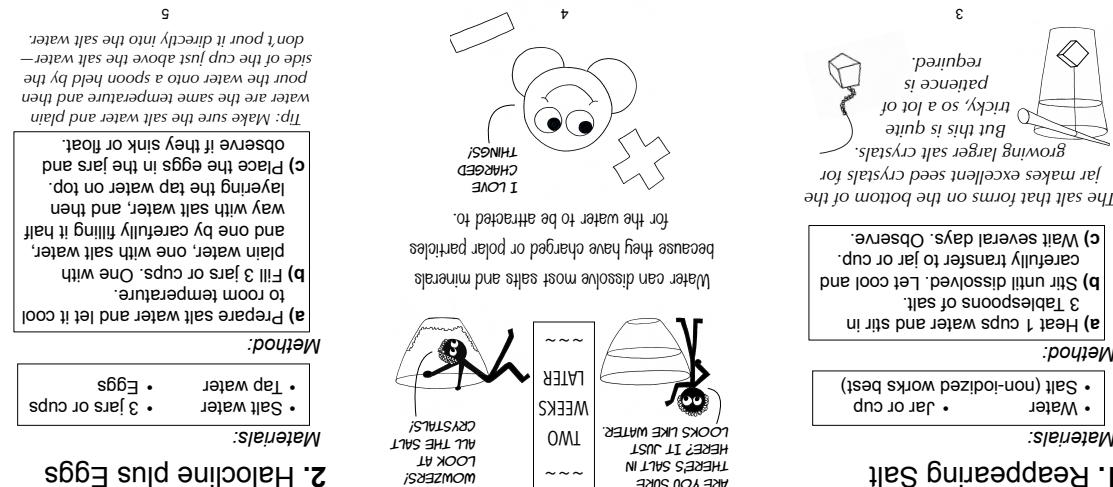
MADE OF?



Name Chemical Formula

Table Salt	Sodium Chloride (NaCl)
Alum	Hydrated potassium aluminum sulfate ($KAl(SO_4)_2 \cdot 12H_2O$)
Borax	Sodium tetraborate ($Na_2B_4O_7 \cdot 10H_2O$)
Sugar	Sucrose ($C_{12}H_{22}O_{11}$)
Epsom Salt	Magnesium sulfate ($MgSO_4$)
Quartz	Silicon dioxide (SiO_2)
Diamond	Carbon (C)

2



3. Eggshell Geodes

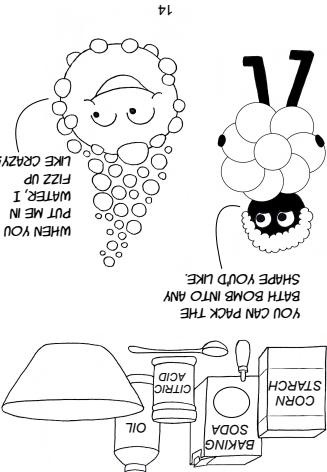
Materials:

- Water
- Alum
- Eggshell
- Jars or cups
- Food coloring
- White glue

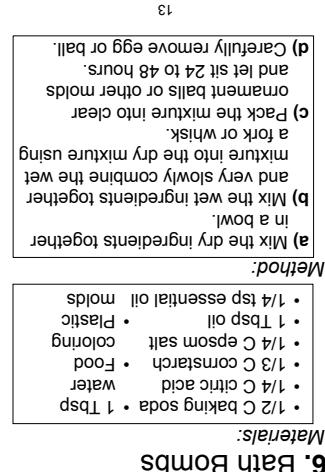
Method:

- Heat 2 2/3 cups of water and add 1/2 tsp food coloring and 1 1/3 cup of alum powder.
- Stir until dissolved, and then carefully transfer the solution to two heat proof jars. Hotter water makes larger the crystals. Cooler water makes smaller sized crystals.
- Optional:** Seed the inside of the eggshell with glue and sprinkle alum powder over surface.
- Place eggshell in alum solution and let sit for 12-24 hours.

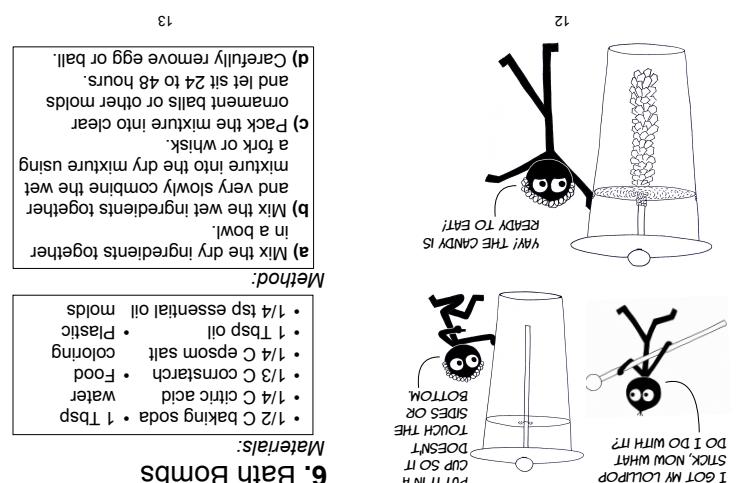
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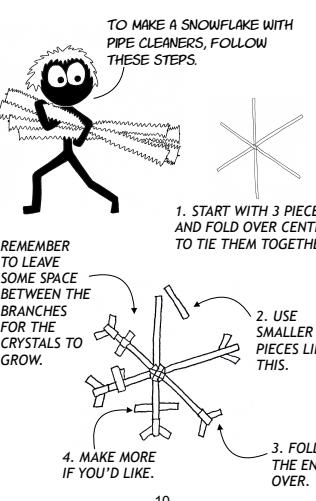
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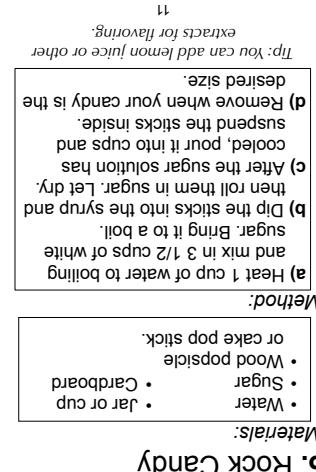
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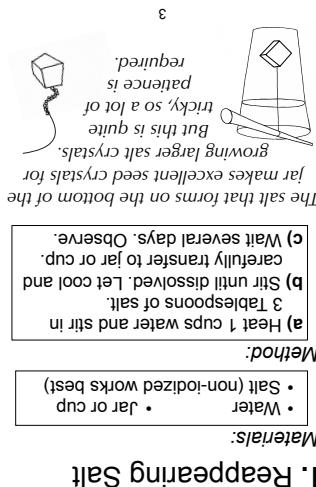
9



10



11



3

B

A

A

X

B

C

C

D

F

E

E

D

E

G

G

X