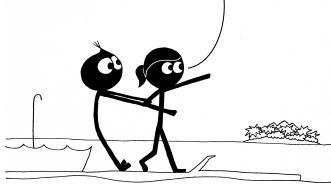


LOOK AN
ISLAND! LET'S
GO EXPLORE!**SCIENCE MOM**

— JENNYBALLIF.COM —

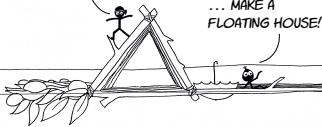
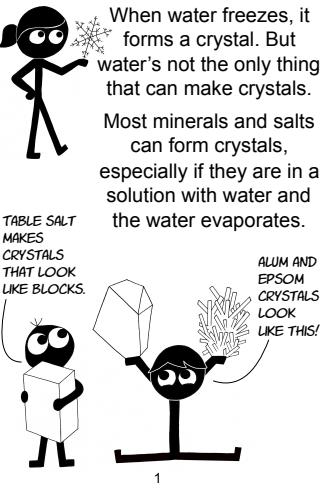
www.youtube.com/ScienceMom**3. Eggshell Geodes****Materials:**

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

Method:

- a) Heat 2 2/3 cups of water and add 1/2 tsp food coloring and 1 1/3 cup of alum powder.
- b) 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.
- c) Optional: Seed the inside of the eggshell with glue and sprinkle alum powder over surface.
- d) Place eggshell in alum solution and let sit for 12-24 hours.

7

**SCIENCE MOM'S
Guide to WATER, Part 6**WHEN LIFE GIVES
YOU DRIFTWOOD...... MAKE A
FLOATING HOUSE!

1

- HALOCLINE: Layers of salt water having different amounts of salt.**
- Method:**
- a) Prepare salt water and plain tap water.
 - b) Fill 3 jars or cups. One with plain water, one with salt water, and one by carefully filling it half way with water.
 - c) Place the eggs in the jars and layering the tap water on top.
 - d) Make sure the salt water and plain water do not mix.
 - e) Pour it directly into the salt water side of the cup just above the salt water — don't pour it directly into the salt water.



FOR THE WATER TO BE ATTRACTED TO.

2. Halocline plus Eggs

8

- Method:**
- a) Mix the dry ingredients together in a bowl.
 - b) Mix the wet ingredients together in a bowl.
 - c) Pack the mixture into clear ornaments balls or other molds and let sit 24 to 48 hours.
 - d) Carefully remove egg or ball.

- Method:**
- 1/2 C baking soda • 1 Tbsp cornstarch
 - 1/4 C citric acid • Water
 - 1/4 C epsom salt • Food coloring
 - 1/3 C cornstarch • Plastic bottle
 - 1 Tbsp oil • Essential oil molds
 - Oil

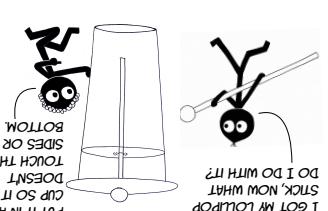
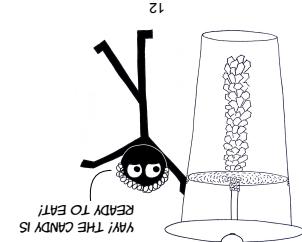
6. Bath Bombs**4. Borax Snowflakes****Materials:**

- Water
- Pipe cleaner
- String
- Borax powder
- Jars or cups
- Food coloring
- Pencil or piece of cardboard

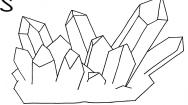
Method:

- a) Heat 4 cups of water and add 1 cup Borax. Stir well.
- b) Take three pipe cleaners and fold into a snowflake shape.
- c) Suspend the snowflake in the borax solution using the string and cardboard or pencil.
- d) Wait 12 to 24 hours and then remove from solution. To preserve the crystal, coat it with clear nail polish.

9



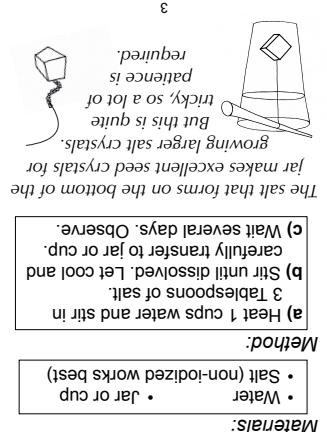
10

WHAT IS THIS**CRYSTAL****MADE OF?**

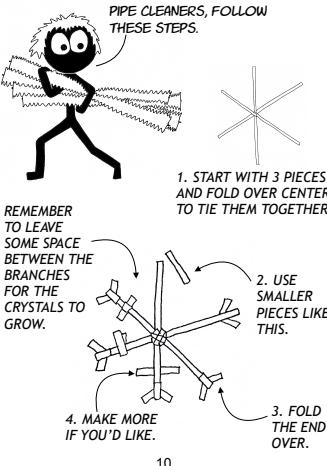
Name Chemical Formula

Table	Chemical Formula
Salt	Sodium Chloride (NaCl)
Alum	Hydrated potassium aluminum sulfate (KAl(SO ₄) ₂ · 12H ₂ O)
Borax	Sodium tetraborate (Na ₂ B ₄ O ₇ · 10H ₂ O)
Sugar	Sucrose (C ₁₂ H ₂₂ O ₁₁)
Epsom Salt	Magnesium sulfate (MgSO ₄)
Quartz	Silicon dioxide (SiO ₂)
Diamond	Carbon (C)

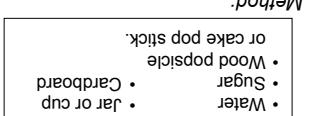
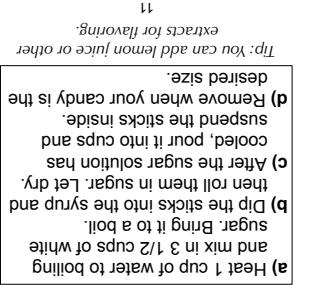
2

**1. Reapperearing Salt**

TO MAKE A SNOWFLAKE WITH PIPE CLEANERS, FOLLOW THESE STEPS.



10



11

5. Rock Candy

B

A

A

X

B

C

C

D

F

E

E

D

E

G

G

X