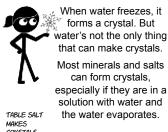
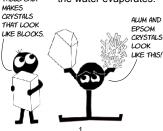


SCIENCE MAM

SCIENCE MOM'S Guide to WATER, Part 6









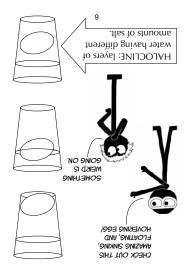
Name Chemical Formula

Table Salt	Sodium Chloride (NaCl)		
Alum	Hydrated potassium aluminum sulfate (KAI(SO ₄)*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)		

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don't pour it directly into the salt water. eige of the cup just above the saft water pour the water onto a spoon held by the water are the same temperature and then lip: Make sure the salt water and plain

observe if they sink or float. c) Place the eggs in the jars and layering the tap water on top. way with salt water, and then and one by carefully filling it half plain water, one with salt water, b) Fill 3 jars or cups. One with to room temperature. a) Prepare salt water and let it cool

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s66∋ • 3 jars or cups

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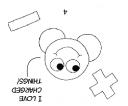
SPRINKLE WITH

Tap water

· Salt water

2. Halocline plus Eggs

PAINT THE INSIDE WITH GLUE...



for the water to be attracted to. because they have charged or polar particles Water can dissolve most salts and minerals



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required. si əənəitaq τείς κλ, so a lot of ətiup si sidt tuð growing larger salt crystals.

jar makes excellent seed crystals for The salt that forms on the bottom of the

c) Wait several days. Observe. carefully transfer to jar or cup. p) Stir until dissolved. Let cool and 3 Tablespoons of salt. a) Heat 1 cups water and stir in

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 Salt (non-iodized works best) · Jar or cup

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1. Reappearing Salt

3. Eggshell Geodes

Materials:

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

Method:

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- 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.

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d) Carefully remove egg or ball. and let sit 24 to 48 hours. ornament balls or other molds c) Pack the mixture into clear a fork or whisk.

mixture into the dry mixture using and very slowly combine the wet b) Mix the wet ingredients together in a bowi.

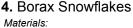
s) Mix the dry ingredients together

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- spjow io 1/4 tsp essential oil lio qedT 1 • Plastic coloring • 1/4 C epsom salt
- Food 1/3 C cornstarch water • 1/4 C citric acid • 1/2 C baking soda • 1 Tbsp

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6. Bath Bombs



Water

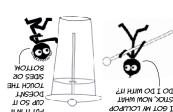
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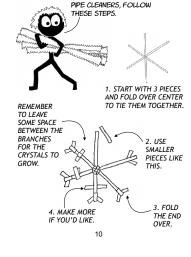
- · Pipe cleaner
- Borax powder
- · Jars or cups · Food coloring · Pencil or piece of cardboard

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.

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extracts for flavoring. Tip: You can add lemon juice or other

desired size. q) Remove when your candy is the enebend the sticks inside. cooled, pour it into cups and c) Affer the sugar solution has then roll them in sugar. Let dry. p) Dib the sticks into the syrup and sugar. Bring it to a boil. and mix in 3 1/2 cups of white a) Heat 1 cup of water to boiling

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or cake pop stick. Wood popsicle

2ndar Cardboard . Water

Materials:

2. Rock Candy



B	A	A	X
B	C		D
F	E	A	D
E	G	Ð	X