

HOW TO GROW YOUR OWN CRYSTAL/CORAL LIKE STRUCTURES



THIS BOOK IS BROUGHT TO YOU BY:

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Hi, Time Adventurers!
Commander Baby Girl Here!



Now this is really a kool project!

Would you like to grow your own crystals
which grow like corals without destroying real coral?

You can observe the growth of crystals,
which in a way is similar to how
coral polyps create their calcium carbonate cups!

Ready?

This is what you will need:

Plastic bowl

Pieces of charcoal, porous brick, tile, cement or sponge

Water

Tablesalt (iodized or plain)

Liquid Bluing (you can find that in the bleaches section at
your grocery store)

Food colouring (Your choice of colours...so be creative)

Measuring tablespoons

Let's Begin!

First: Put some pieces of charcoal, brick, tile, sponge or cement into your bowl.

Now pour two tablespoons of water, two tablespoons of salt and two tablespoons of liquid bluing over the base material. You know, all the stuff you put in first.

After you've added all the stuff, place the bowl on a table or counter. Why? Because the formations need free air circulation to develop.

The next day add two more tablespoons of salt

On the third day, pour in the bottom of the bowl...**(NOT Directly on the base material)** two tablespoons each of salt, water, and bluing. Then add a few drops of food colouring to each piece of base material.

A crystal formation should be beginning to appear at least by the fourth day. If not, it may be necessary to add two tablespoons of household ammonia to help the growth.

*****VERY IMPORTANT:** *Only adults should handle and add the ammonia if you're a little guy! I know you're not a little guy! But sometimes help is needed and you can show how big you are by asking for their help.*

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Now to keep your beautiful formation growing, just keep adding more bluing, salt and water from time to time!

NOW WHAT CAN YOU LEARN FROM THIS.....
OTHER THAN HAVING A LOT OF FUN?

Just as you combined the water, bluing and dissolved salt to form your beautiful crystals, the coral polyps use dissolved calcium carbonate to create their stony cup that protects their soft bodies...which creates the coral reefs!

HAVE FUN!