

Name: _____

Period: _____

SALT CRYSTALS

Day #1: place small damp sponge in a shallow bowl. (write name on bowl)
Pour over sponge 6 plastic spoons full of each of the following chemicals:

- Mrs. Stewart's Bluing
- Water
- Salt
- Ammonia

Add 2 drops food coloring.

Day #2: Add 6 more plastic spoons of salt (this will be done by your teacher)

Day #3: Add the following

Pour over sponge 6 plastic spoons full of each:

- Mrs. Stewart's Bluing
- Water
- Salt
- Ammonia

***Avoid pouring on the crystal growth!!!

Repeat Day #3 as needed to keep them growing.

Questions:

1. What shape of salt crystals are being formed?
2. Why are the crystals so fragile?
3. Is salt a mineral?
4. Draw a single salt crystal.

Name: _____

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Homemade Rock Candy

ingredients

1 c water

3 c sugar

A few drops of flavoring

food coloring as desired

Get 3 cups of sugar from your teacher. Add 1 cup water to bowl. Heat in microwave for 5-6 minutes, stirring as you go...until all of the sugar is dissolved. After sugar is dissolved, add flavoring.

Dip the stick in the sugar solution and then into sugar to give it seed crystals for the crystals to cling to. Lay it on a paper towel to dry off for a few minutes.

Put 2 drops of food coloring in the bottom of the cup and pour solution to $\frac{3}{4}$ full. Then suspend your coated stick in the cup with a clothespin so the stick isn't touching the bottom or the sides of the cup.

In 2-3 days break the top crust and pull out the stick.

This you tube will give you a good example.

<https://www.youtube.com/watch?v=GdH577EJdtc>

Questions:

1. What process is happening to allow the sugar crystals to form?
2. What shape of crystals are being formed by the sugar?
3. Is sugar a mineral?
4. Draw a single sugar crystal.