Egg Shell Geodes

Method

• Carefully crack each egg so you can keep the majority of the shell intact. Cracking the egg in half is best.

• Rinse each egg shell, remove all membranes and pat it dry.

• Bring 4 cups of water to a boil.

• Stir in 1 3/4 cups (or more) Borax until it dissolves. There should be a little bit of borax at the bottom of the pan. This indicates that the solution is super saturated.

• Set out 1 plastic cup for each color geode that is going to be created.

• Pour 3/4 cup of the super saturated borax mixture into each cup.

• Add food coloring to each cup and stir.

• Allow mixture to cool, until it is she to be handled, but not too cool, you want to add your eggshells while the mixture is still hot.

• Place and egg shell down into each cup making sure the inside of the eggshell is face up.

• Let the eggshells sit in the cups overnight or even for 2 nights for plenty of crystals to grow.

• DO NOT disturb the crystals while they are growing, but after some good crystal growth is seen, remove geodes from colored water and dry on paper towels over night.

Materials

• Eggs
• 1 3/4 Cups Borax Powder
• Plastic Cups
• Food Coloring
• 4 cups Boiling Water

Geode Guide

• From the outside geodes look like common rocks!

• If a rock feels lighter than surrounding rocks, it might me a geode!

• Most geodes contain clear quartz, purple amethyst, agate, chalcedony, or jasper.

• Geodes take a very long time to form.

• A super saturated solution has more powder in it than the liquid can hold because it is hot.

• As a supersaturated solution cools, the dissolved particles will fall out of solution onto the egg shells and form crystals!