

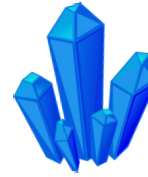
# Crystal GeoEggs

## Need:

2 Eggs  
 Running warm water  
 Papertowel  
 4 tablespoons Epsom Salt : Magnesium Sulfate  
 2/3 Cup Very warm water  
 Stirring stick or spoon  
 Food Colouring

## How to:

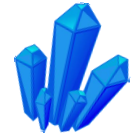
On the top - narrow end - of the egg, carefully crack the top off  
 Remove the yolk and white  
*Be gentle - Egg shells are very delicate*  
 Carefully and gently run warm water over the eggshell to clean and peel the egg membrane from the shell  
 Place the shells upside down on a paper towel and let dry  
 In the cup pour in some very warm water  
 Add in your Epsom salts and stir until dissolved (if you have problems dissolving it heat the water with Epsom Salts and it will dissolve easier) - This is your supersaturated solution  
 Add in some food colouring  
 Pour even amounts into two fresh cups  
 Carefully place your egg shell and submerge in the solution  
 Add a little extra water into the cup if needed to submerge  
 Leave the cups of supersaturated solution with eggshells submerged undisturbed for 3-4 days  
 Pour off some of the solution and carefully lift out your geoegg which will now be covered in crystal's



## What are crystals?

A crystal is a solid, hard, substance.

A crystal is made of molecules bonded together in specific patterns which form a shape that has straight edges and flat surfaces.



## Nucleation sites

*The site where a crystal begins to grow, called its nucleation site*

The nucleation site determines the crystals size

Having fewer nucleation sites means you end up with larger crystals

Having more nucleation sites means you end up with smaller crystals

## How GeoEggs Crystals form:

*Chemists refer to the following as a crystal 'falling out of' the solution.*

A few molecules of magnesium sulfate in the solution connected and joined which starts the crystal formation.

Then more molecules kept joining them until enough gathered to form a visible crystalline solid.

If you leave crystals in the saturated solution, they'd continue to grow.

