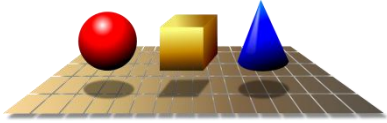


Crystal Shapes



Need:
Wire
String
Skewer
Wool
4 tablespoons Epsom Salt : Magnesium Sulfate
2/3 Cup Very warm water
Peg
Stirring stick or spoon
Food Colouring

The variable (The thing that changes) for this experiment is the matter
(The stuff that makes things)

In this experiment there are 4 different types of matter, 4 different materials that you will grow crystals from.

Compare the four different materials pro and cons by completing the questions at the end of the experiment it will help you decide the answer for:

Which of the 4 materials is best for growing shaped crystals?

4 Materials: Wire Wool String Skewer

How to:

Create your shape with your wire, string and wool

Place your wire, string, wool and skewer in peg and set aside

Pour very warm water into your cup

Add in the Epsom salts and stir until dissolved

Add in the food colouring

Stir again

Place your peg on top of the cup so your shapes dangle down into the liquid

Add a little extra water into the cup if needed to submerge

Leave the cups of solution submerged undisturbed for 3-4 days

Pour off some of the solution and carefully lift out your wool, wire, string and skewer which will now be covered in crystal's

QUESTIONS:

Which material is it easiest to create a shape with?

Which material is it hardest to create a shape with?

Which material holds its shape the best when hanging from the peg?

Which material does not hold its shape well when hanging from the peg?

Which material grows the least crystals?

Which material grows the most crystals?

Which material grows the best crystals?

Which of the 4 materials is best for growing shaped crystals?

4 Materials: Wire Wool String Skewer