254X178MM





REQUIRE 2 x 1.5V AAA BATTERIES (NOT INCLUDED)



WASTE ELECTRIC PRODUCTS SHOULD NOT BE DISPOSED OF WITH HOUSEHOLD WASTE, HELP THE ENVIRONMENT BY DISPOSING OF YOUR PRODUCT RESPONSIBLY, PLEASE USE DESIGNATED COLLECTION POINTS OR RECYCLING FACILITIES WHEN DISPOSING OF THE TIEM OR BATTERIES. CHECK WITH YOUR LOCAL AUTHORITY FOR RECYCLING ADVICE.

Batch No.10/21

WARNING:
THIS SET CONTAINS CHEMICALS THAT MAY BE HARMFUL IF
MISUSED. READ CAUTIONS ON INDIVIDUAL CONTAINERS
CAREFULLY. NOT TO BE USED BY CHILDREN EXCEPT UNDER

WARNING! Not suitable for children under 10 years. For use under adult supervision. Contains some chemicals which may present a hazard to health. Read the instructions before use, follow them and keep them for reference. Do not allow chemicals to come into contact with any part of the body, particularly the mouth and eyes. Keep small children and animals away from experiments. Store the chemistry set out of reach of small children.

WARNING! Only for use by children over 10 years old. To be used solely under the strict supervision of adults that have studied the precautions given in the experimental set.

GROW & GLOW **CRYSTALS**

CAUTION! contains some chemicals which are classified a safety hazard. Store the chemistry set out of reach of small children. Eye protection for supervising adult is not included.

Read the instructions before use, follow them and keep them for reference. Do not allow chemicals to come into contact with any part of the body, particularly the mouth and eyes. Keep small children and animals away from experiments.

GROW & GLOW **CRYSTALS**



Introduction

Congratulations on purchasing this Crystal Science product. This pack and its contents are designed to introduce your child to a world of weird science and wonderful discoveries.

Always follow the instruction booklet carefully and have it with you during each experiment. As with all science projects, please be careful with all chemicals provided. Have fun learning!

Growing your crystals

What you need: crystal chemicals, wooden stick, trays, stones, glow powder, measuring cups*, magnifying glass*, water*, saucepar Choose your desired crystals to grow and record in your record keeping log. Ensure that you log the date, time and crystal name.
 With the help of an adult pour in the required amount of water needed (see table across) into a saucepan using your measuring cup **NOTE:** You will need a saucepan that is no longer used for cooking and will be only used for mixing and heating chemicals.

- Pour crystals into the saucepan, keeping 1/10 of the crystals in the bottle.
 Slowly heat the saucepan, stirring the crystals until they have fully dissolved using your wooden stick. Adult assistance is required.
- 5. Wait for the liquid to cool to lukewarm temperature
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 6. While liquid is cooling place your rocks into the tray.
 Small rocks have been provided, however for a more prominent crystal you may wish to find larger rocks in your garden.
 (Please ensure these are washed and you wash your hands after touching them).
- 7. Now pour the liquid from the saucepan into the tray, pouring over the
- 8. Once the liquid has settled, take the remaining grains still in your bag ond sprinkle them above the base rock so they settle into the rock.

 Set your tray with the crystal solution in a place where it will not be disturbed by movement or rapid change in temperature.
- 10. Crystals should start to grow in a few hours, you can use your magnifying glass to look through them and report any findings in your log book.
- 13. Allow the crystals to grow undisturbed for 3-4 days. You can decide one of two things:

 a) Remove crystal from solution. b) Let the solution evaporate for a few more days which will allow the crystal to grow larger.

 14. Place the crystal mass aside on a piece of newspaper or paper towel
- and allow it to dry completely for one day. "If the crystal mass and base rock have formed a square shape due to the shape of the plastic tray, you may choose to break off excess crystals to make your crystal look more geologically natural. 15. You can sprinkle glow powder to the crystal and see it glow in the dark

Growing crystals on a thread

What you need: magnifying glass*, crystals of your choice, monofiliment thread, tray, display pedestals, pencil*. PVA glue*

- pencil*, PVA glue*

 1. Using your magnifying glass select 1 of the largest crystals you have previously made

 2. Cut your monofilament thread into four even pieces (scissors not provided).
- 3. You will need PVA glue (not provided) to attach one end of your thread to the crystal. Set aside to dry
- compicetely.

 4. Once the glue has set, tie the other end of the thread to a pencil (not provided). Make sure there is enough space between each hanging crystal. Place the pencil over the tray. Only have the threads dangling no more than 1 inch so your crystals are not touching the bottom of the tray.

 5. Fill the tray with left over crystal solution and leave the crystals to grow over the next few days. You can keep adding more solution as the days go by or until you are happy with the growth of your crystals.
- 6. Display your chosen crystals on the display pedestals provided and for your best formed crystal, place onto the display light stand which will shine a light through your crystal, lighting up the colours making

All amounts are estimates. If crystals are not growing you have used too much water.

Bag No.	Crystal Colour	Water Amount
1	YELLOW	50 ml
2	PINK	50 ml
3	GREEN	50 ml



FIRST AID ADVICE

* Item not included

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