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DIMENSIONS: W5 X H7 double sided		UPC:	TRACKING:	COLOR: 4 COLOR PRINTING		
MATERIAL: cardstock		FINISH:				
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				<small>THIS artwork has been proof read to ensure it meets quality standards of RMS International, USA, INC.</small>		

# UNDERWATER CRYSTAL KIT

10+ Years

Explore the science of underwater crystals!

**Growing Rocks**  
Will grow upwards when put into water.

**Aquarium**  
Grow your crystals in this space.

**Paper Scene**  
Create an underwater scene.

**Growing Solution**  
Will help your crystals to expand underwater.

**Stickers**  
Decorate your aquarium.

## CREATE UNDERWATER CRYSTALS!

\* Item not included

**Step 1:**  
Cover your work area with newspapers or large sheets of paper and wear old clothes or a smock\*. Make sure your working area is an easy to clean surface.

**Step 2:**  
If you want to use your aquarium multiple times, place a piece of aluminum foil\* on the bottom of the tank. Attach your paper scene to the outside back of the aquarium with tape\*.

**Step 3:**  
Wear goggles for eye protection. Remove the growing rocks from the bag. Carefully break the rocks apart into small pieces that are about 1.27cm. Separate all of your rocks into two groups; one for now and one for later. Place the rocks that are being used later into a resealable bag\*.

**Step 4:**  
Carefully place one group of rocks onto the bottom of the aquarium. You want to keep the rocks close, but make sure they are not directly touching the walls or each other. You can use a pencil\* to move the rocks around once they are in the aquarium. Make sure your aquarium is on a flat surface that it can remain on throughout the growing process.

**Step 5:**  
Empty the contents of both bottles of growing solution into a glass jar\* (that can only be used for experiments after). Be sure not to touch the solution directly with your hands. Then add 950ml of lukewarm water into the jar. Stir the mixture with a plastic drink stirrer\* until all sediment has disappeared.

**Step 6:**  
Have an adult help you to carefully pour the mixture into your aquarium. While pouring, be sure not to let the rocks move too much. If they are touching the walls or each other, move them with the plastic stirrer\*. Leave a 6.4cm empty at the top of the aquarium. Watch your crystals grow upwards over the next 6 hours. Carefully add your second batch of rocks into the tank and make sure they are not touching each other or the aquarium walls. After the second batch is done growing, ask an adult to carefully pour the solution down the drain. Be very careful on this step, as your crystals are very fragile. To clean the aquarium, rinse it with fresh water once and then fill it with new water. Be sure not to move your crystals during this process. Display them for everyone to see!

CONTENTS: 1 PAIR OF GOGGLES, 2 GROWING SOLUTION, 4 GROWING ROCKS, 1 AQUARIUM, 1 STICKER SHEET, 1 PAPER SCENE

**Growing Rocks:** Magnesium sulfate CAS 7487-88-9, Calcium Sulfate CAS 7778-18-9, Aqua CAS 7732-18-5, Cupric Sulfate CAS 7758-98-7, EOSIN CAS 17372-87-1, Cupric Sulfate CAS 7758-98-7

**Growing Solution:** Glycerol CAS 56-81-5, Aqua CAS 7732-18-5



- \* Harmful to aquatic life with long lasting effects.
- \* Avoid release to the environment.
- \* Dispose of contents in accordance with local regulations.
- \* Contains EOSIN. May produce an allergic reaction.

**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 adult supervision.

Local hospital phone number:

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**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. Keep the experimental set out of reach of children under 10 years old.

**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.

**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 and follow these instructions, the safety rules and the first aid information and keep them for reference. The incorrect use of chemicals can cause injury and damage to health. Only carry out those experiments which are listed in the instructions. This chemistry set is for use only by children over 10 years. Because children's abilities vary so much, even within age groups, supervising adults should exercise discretion as to which experiments are suitable and safe for them. The supervising adult should discuss the warnings and safety information with the child or children before commencing the experiments. Particular attention should be paid to the safe handling of acid, alkalies and flammable liquids. The area surrounding the experiment should be kept clear of any obstructions and away from the slope of books. It should be well lit and ventilated and close to a water supply. A solid table with a heat resistant top should be provided. Instructions for the use of the burner. Substances in non-resealable packaging should be used up completely during the course of one experiment because the effectiveness of the ingredients following opening may deteriorate. Clean all equipment after use. Ensure that all empty containers and/or non-resealable packaging are disposed of properly. Wash hands after carrying out experiments. The instructions should enable supervisors to assess any experiment to establish its suitability for a particular child. Do always wear eye protection. Do store experimental sets out of reach of young children. Do not eat, drink or smoke in the experimental area. Do not replace hoodstuds in original containers. Dispose of immediately. Do not apply any substances or solutions to the body. Do not use any equipment which has not been supplied with the set or recommended in the instructions for use. In case of eye contact: Wash out eye with plenty of water, holding eye open if necessary; seek immediate medical advice. If swallowed: Wash out mouth with water, drink some fresh water. Do not induce vomiting. Seek immediate medical advice in case of inhalation: Remove person to fresh air, in case of skin contact and burns: Wash affected area with plenty of water for 20 minutes. In case of doubt: seek medical advice without delay. Take the chemical together with the container with you. In case of injury always seek medical advice. Do read these instructions before use, follow them and keep them for reference. Do keep young children, animals and those not wearing eye protection away from the experimental area. Do store all equipment after use. Do make sure that all containers are fully closed and properly stored after use. Do wash hands after carrying out experiments. Do not allow chemicals to come into contact with the eyes or mouth.