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› Discovery Kids Deluxe Frozen Earth Science Kit (Model 1019071) Instruction Manual

Discovery Kids 1019071

Discovery Kids Deluxe Frozen Earth Science Kit

Model: 1019071

INTRODUCTION

Welcome to the Discovery Kids Deluxe Frozen Earth Science Kit! This kit provides an engaging and educational experience for children aged 8 and up, offering a hands-on approach to understanding chemistry, glaciology, and polar biology. With 67 unique experiments, including 40 at-home activities, you can explore the wonders of frozen science right from your home.

Key features of this kit include:

- 67 frozen-themed experiments, including 27 lab activities and 40 bonus DIY experiments.
- Exploration of real scientific principles such as freezing points, crystal formation, and chemical reactions.
- Materials to create instant snow, fluffy slime, blue lava eruptions, bouncy snowballs, jelly snowflakes, and frosty explosions.
- Over 30 tools and ingredients provided to support a wide range of activities.

SAFETY INFORMATION

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.

Always ensure a clean and organized workspace. Wear appropriate safety gear, such as safety goggles, if recommended for specific experiments. Keep all chemicals and materials out of reach of younger children and pets. In case of accidental ingestion or contact with eyes, seek immediate medical attention.

WHAT'S IN THE BOX

Your Discovery Kids Deluxe Frozen Earth Science Kit includes the following components:

- Various Ingredients (e.g., crystal growing powders, instant snow, slime powder, food coloring)
- Essential Tools (e.g., pipette, scoop, measuring cup, excavation tool)
- Molds and Materials (e.g., snowflake molds, polar bear mold, snowman accessories, excavation brick)



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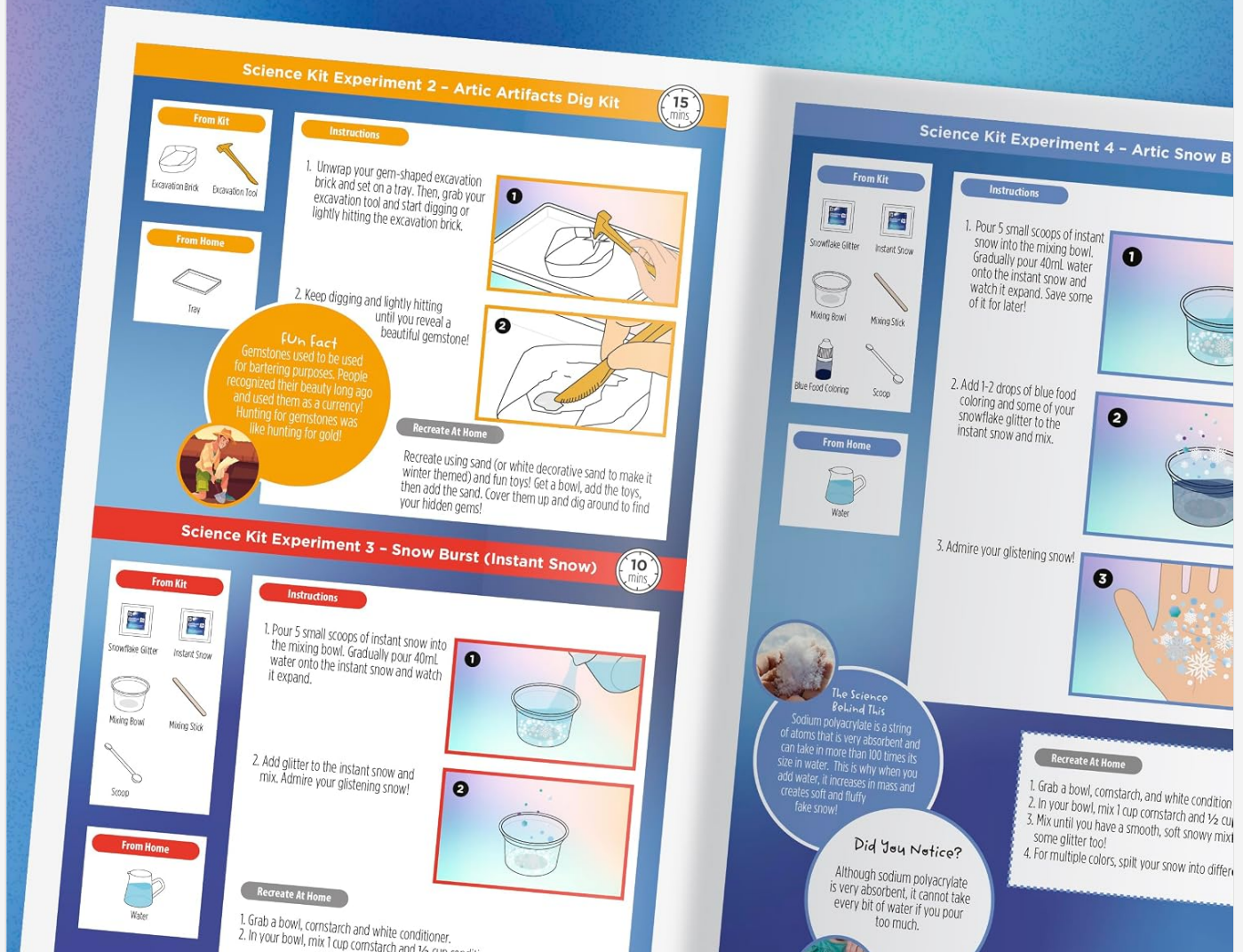


Image: All components of the Discovery Kids Deluxe Frozen Earth Science Kit, including powders, liquids, molds, and tools, laid out for inspection.

SETUP

Before beginning any experiment, ensure you have a clean, flat, and stable surface. Read through the instructions for your chosen experiment completely before starting. Gather all necessary kit components and any additional household items required (e.g., water, paper towels). Adult supervision is recommended for all experiments.

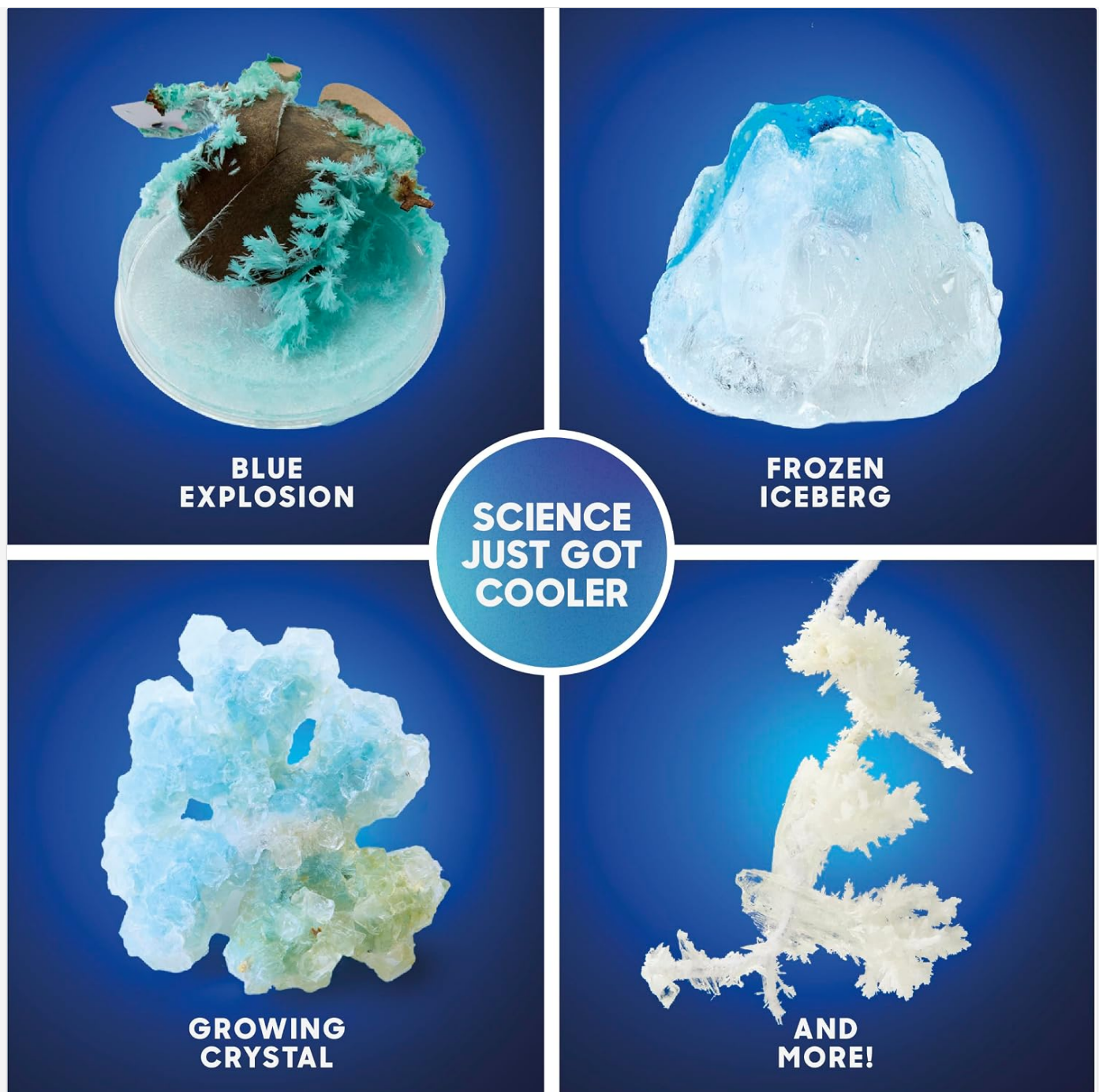


Image: A page from the instruction manual, illustrating a step-by-step guide for an experiment with clear diagrams and text.

OPERATING INSTRUCTIONS: EXPERIMENTS

The instruction guide provides detailed, step-by-step instructions for each of the 67 experiments. Each experiment is designed to be easy to follow with clear illustrations. Below are examples of experiments you can perform. Always refer to the included instruction booklet for complete details and safety precautions for each specific activity.

Your browser does not support the video tag.

Video: An overview of several experiments from the Discovery Kids Frozen Earth Science Kit, demonstrating how to create an iceberg, a volcano blue explosion, instant snow, build a snowman, and grow a frozen crystal.

Experiment 1: Create Your Own Iceberg and Volcano Blue Explosion

Follow the instructions in your manual to use the provided mold and materials to create a frozen iceberg. Once formed,

you can simulate a volcanic eruption by adding specific liquids as directed, observing a vibrant blue explosion.



**BUILD A
SNOWMAN**



**BUILD AN
IGLOO**

67
SCIENCE
EXPERIMENTS



**INSTANT
SNOW**



**SNOWFLAKE
SLIME**

Image: A blue ice volcano erupting, with blue liquid flowing down its sides, demonstrating a chemical reaction.

Experiment 2: Make Instant Snow

Using the instant snow powder and water, you can create realistic-looking snow. Follow the precise measurements and mixing instructions in your guide to observe the rapid expansion of the powder into fluffy snow.



Image: A delicate, white crystal formation, resembling a miniature ice sculpture, growing on a clear petri dish.

Experiment 4: Build a Snowman

Utilize the instant snow and provided accessories to construct a small snowman. This activity encourages creativity and fine motor skills while engaging with the kit's materials.



Image: A charming, small snowman crafted from white material, complete with a tiny black top hat and an orange carrot nose, standing on a blue background.

MAINTENANCE AND STORAGE

To ensure the longevity of your science kit and its components, proper maintenance and storage are essential:

- **Cleaning:** After each experiment, clean all reusable tools and containers with warm, soapy water. Rinse thoroughly and allow them to air dry completely before storing.
- **Storage:** Store all powders, liquids, and small components in their original, sealed packaging or in airtight containers to prevent contamination or degradation. Keep the kit in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Disposal:** Dispose of used materials and chemical waste according to local regulations. Never pour chemicals down the drain unless explicitly stated in the experiment instructions.

TROUBLESHOOTING

If you encounter issues during an experiment, consider the following troubleshooting tips:

- **Experiment Not Working:** Double-check that all steps in the instruction manual were followed precisely. Ensure correct measurements of ingredients and proper mixing techniques.

- **Missing Components:** Refer to the 'What's in the Box' section and the kit's packaging to verify all components are present. If an item is missing, contact customer support.
- **Unclear Instructions:** Review the diagrams and text in the instruction manual carefully. If a step remains unclear, seek assistance from an adult.
- **Chemical Reactions:** Some experiments involve chemical reactions that may vary slightly based on environmental factors like temperature or humidity. Minor variations in results are normal.

SPECIFICATIONS

Product Dimensions	12.5 x 3 x 9 inches
Item Weight	2 pounds
Item Model Number	1019071
Manufacturer Recommended Age	8 years and up
Manufacturer	Merchsource
Release Date	August 30, 2025

WARRANTY AND SUPPORT

For any questions, concerns, or support regarding your Discovery Kids Deluxe Frozen Earth Science Kit, please contact the manufacturer, Merchsource. While specific warranty details are not provided in this manual, the manufacturer is committed to ensuring customer satisfaction. Please retain your proof of purchase for any warranty claims or support inquiries.

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