

[Manuals.plus](#) /

› [National Geographic](#) /

› National Geographic Crystal Growing Kit Instruction Manual

## National Geographic NGLITCRYSTAL

# National Geographic Crystal Growing Kit Instruction Manual

**Model:** NGLITCRYSTAL

**Brand:** National Geographic (by Blue Marble)

## 1. INTRODUCTION AND OVERVIEW

Welcome to the exciting world of crystal growing with the National Geographic Crystal Growing Kit! This STEM (Science, Technology, Engineering, and Mathematics) kit provides an engaging and educational experience for young scientists aged 8 years and up. Discover the fascinating process of crystal formation and create your own vibrant, glowing crystals to display.

The kit includes everything needed to grow three unique colored crystals and showcase them on a special light-up display base, turning your scientific creations into captivating night lights or room decor.

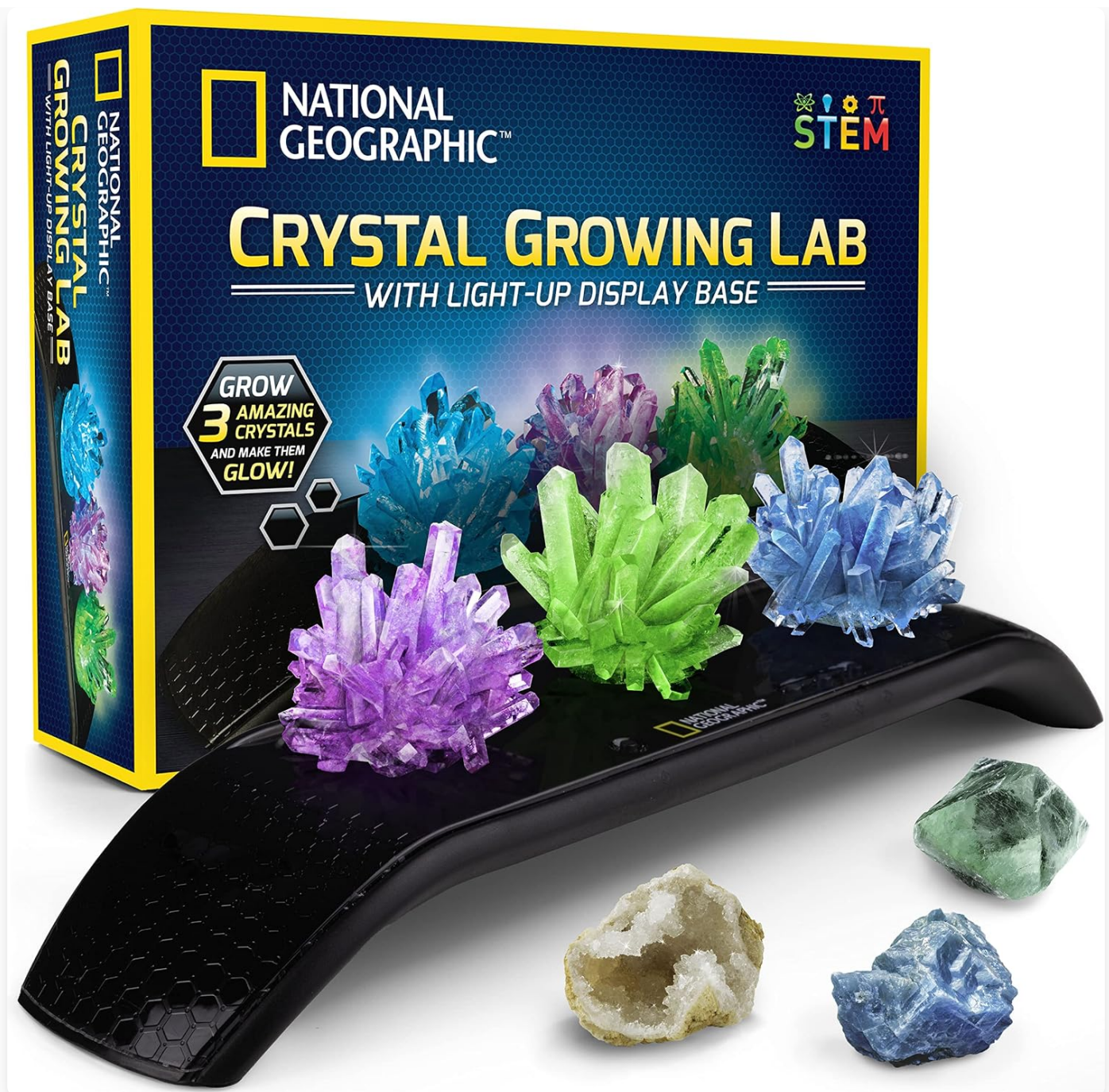


Image: The National Geographic Crystal Growing Kit box, showcasing the three vibrant crystals (blue, purple, green) on the light-up display base, alongside three genuine gemstone specimens.

## 2. WHAT'S INCLUDED

Your National Geographic Crystal Growing Kit contains the following components:

- 3 Different Color Crystal Powders (for blue, purple, and green crystals)
- 3 Transparent Seed Rocks
- 1 Flexible Crystal Growing Chamber
- 1 Stylish Light-Up Display Base (with 7 color options, 3 brightness levels, and 3 light display modes)
- 3 Genuine Crystals (including a broken Geode, Green Fluorite, and Blue Calcite)
- 1 Magnifying Glass
- 1 Wooden Spoon/Mixer
- 1 USB Power Cord

- 1 Detailed Learning Guide with Instructions

# EVERYTHING INCLUDED



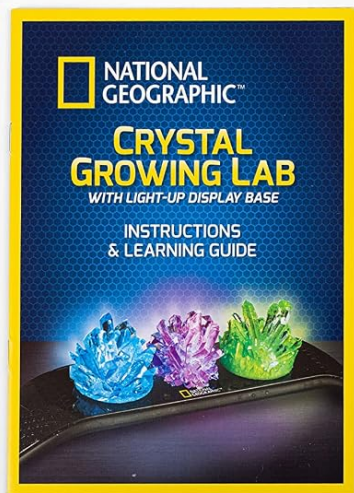
LIGHT UP BASE



MAGNIFYING GLASS



MIXER



LEARNING GUIDE



CRYSTAL POWDER & SEED ROCKS



CRYSTAL GROWING CHAMBER



USB CHARGER



BONUS GENUINE CRYSTAL SPECIMENS INCLUDED!

Image: A visual representation of all items included in the kit: light-up base, magnifying glass, mixer, crystal growing chamber, crystal powder & seed rocks, learning guide, USB charger, and bonus genuine crystal specimens.

## 3. SETUP

Before beginning your crystal growing experiment, ensure you have a clean, stable workspace. Adult supervision is recommended, especially when handling hot water.

1. **Prepare Your Workspace:** Choose a flat, stable surface away from high traffic areas.
2. **Gather Additional Materials:** You will need boiling hot water (approximately 6.75 oz or 200 mL per crystal) and a heat-safe measuring cup or container.
3. **Unpack Components:** Carefully remove all items from the kit packaging and verify that all components listed in Section 2 are present.

## 4. OPERATING INSTRUCTIONS

### 4.1. Crystal Growing Process

Follow these steps to grow your vibrant crystals:

1. **Heat Water:** Carefully heat approximately 6.75 oz (200 mL) of water to a boiling temperature.
2. **Pour Water:** Pour the boiling water into the flexible crystal growing chamber (or your own glass jar).
3. **Add Crystal Powder:** Immediately pour one bag of colored crystal powder into the hot water.
4. **Stir Solution:** Use the provided wooden spoon to stir the solution for at least 2 minutes, or until all powder is completely dissolved.
5. **Cool and Add Seed Rock:** Allow the solution to cool for 10 minutes. Then, carefully place one transparent seed rock into the center of the solution. Ensure the seed rock is centered for optimal crystal growth.
6. **Wait for Growth:** Place the growing chamber in a stable location where it will not be disturbed. For best results, allow the crystals to grow for 4-7 days. You will begin to see crystal formation within the first 24 hours. Patience is key for larger, more impressive crystals.
7. **Remove Crystal:** Once your crystal has fully grown, carefully remove it from the growing chamber. The flexible design of the chamber allows for easy removal without damage. If using a glass jar, you may need to gently separate the crystal from the bottom with a blunt knife or spoon.
8. **Dry Crystal:** Place your newly grown crystal on a disposable surface (like cardboard or a folded paper towel) to dry completely.



1. POUR CRYSTAL POWDER  
IN GROWING CONTAINER



2. MIX WITH WATER



3. ADD SEED ROCK



4. WATCH CRYSTALS GROW!

Image: A visual guide to the crystal growing steps, from adding powder to observing initial growth.

CRYSTAL GROWING CHAMBER INCLUDED

## ENGINEERED FOR OPTIMAL CRYSTAL GROWTH AND EASY REMOVAL



*Image: The flexible crystal growing chamber is designed for easy and damage-free removal of your grown crystals.*

### 4.2. Light-Up Display Base Operation

Showcase your beautiful crystals on the light-up display base:

1. **Connect Power:** Plug the USB power cord into the display base and connect it to a compatible USB power source (e.g., computer, USB wall adapter).
2. **Place Crystals:** Gently place your dried crystals onto the designated spots on the display base.
3. **Select Light Mode:** Use the buttons on the display base to cycle through 7 single color modes, a rainbow color mode, and 3 brightness levels to illuminate your crystals.

# LIGHT UP DISPLAY BASE

7 COLOR MODES | 3 BRIGHTNESS LEVELS



INCLUDES USB POWER CORD

*Image: The light-up display base features 7 color modes and 3 brightness levels, allowing you to customize the illumination of your crystals.*



## GROW THREE VIBRANT CRYSTALS

*Image: A child marvels at the glowing crystals on the light-up display, highlighting the kit's captivating visual appeal.*

### 4.3. Official Product Video

Your browser does not support the video tag.

*Video: An official product video from National Geographic Toys demonstrating the features and appeal of the Crystal Growing Kit with Light-Up Stand.*

## 5. MAINTENANCE

- **Crystal Care:** Once grown and dried, crystals are delicate. Handle them carefully to avoid breakage. Store them on the display base or in a safe, dry place.
- **Display Base Cleaning:** Wipe the light-up display base with a soft, dry cloth. Do not use abrasive cleaners or immerse in water.
- **Storage:** Store all kit components in their original packaging or a suitable container in a cool, dry place away from direct sunlight when not in use.

## 6. TROUBLESHOOTING

### • Crystals Not Growing:

- Ensure the water was boiling hot when the powder was added.
- Verify the solution was stirred thoroughly for at least 2 minutes until fully dissolved.
- Check that the growing chamber is in a stable location with consistent temperature. Extreme temperature fluctuations can hinder growth.
- Allow sufficient time for growth (up to 7 days for optimal results).

### • Light-Up Display Not Working:

- Ensure the USB power cord is securely plugged into both the display base and a working USB power source.
- Try a different USB port or power adapter.

## 7. SPECIFICATIONS

| Feature                      | Detail                     |
|------------------------------|----------------------------|
| Product Dimensions           | 9.06 x 3.54 x 11.22 inches |
| Item Weight                  | 2.24 pounds                |
| Item Model Number            | NGLITCRYSTAL               |
| Manufacturer Recommended Age | 8 years and up             |
| Country of Origin            | China                      |
| Language                     | English                    |
| Manufacturer                 | JMW Sales, Inc.            |

## 8. SAFETY INFORMATION

### No Warning Applicable

While this kit is designed for safety, adult supervision is always recommended for children, especially when handling hot water. The crystal growing solution and materials are for scientific experimentation only and should not be ingested. Keep all components out of reach of children under 3 years due to small parts that may pose a choking hazard.

## 9. WARRANTY AND SUPPORT

For product support, inquiries, or warranty information, please contact the manufacturer, Blue Marble, directly. You can often find contact details on their official website or through the retailer where the product was purchased. Visit the official [Blue Marble Store on Amazon](#) for more information and products.

## ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

### Name

Anonymous

### Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

### Question

Example: How do I reset this device or fix this error?

### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

**Submit question**