

Grow Your Own Crystal Geodes

Hey Jelly Bean! So you want to grow your own crystal geode? Well, I'm here to help. Please be certain to [watch my video here](#) first so you'll know exactly how to do all the steps:



Stuffs You'll Need:

(Note: this will make 1 color. If you'd like to make different colors (& I'm pretty sure you will) you'll need to repeat these steps for each color)

- Used eggshells
- about 2/3 c [Alum powder](#) (check the spice section of your local grocery store or click on link for my favorite brand, **make sure your brand has potassium for better results!**)
- White school glue (like Elmer's)
- Small paintbrush
- heat-resistant glass container
- 30-40 drops of food coloring
- 2 c. hot water
- Glass stirrer or spoon
- Paper towel or drying rack



Procedure for How To Grow Your Own Crystals:

1. Make sure the inside of your eggshells are all squeaky clean & dry, Sweet Pea!
2. Add a drop of white glue to the inside of your egg shell as well as the edges & use the paint brush to "paint" it around completely covering every bit of the interior of the egg-shell. Keep adding drops of glue until it's all covered
3. Now, quick! before the glue dries...generously sprinkle in your alum powder. Cover every bit of the interior, shake out the excess and add more. **Let your eggshells halves dry overnight.**
4. The next day, it's time to make your crystal growing super-saturated alum solution! Heat your water to almost boiling then pour 2 cups (.5 L) of that hot water into a heat resistant container. Add 30-40 drops of food coloring.
5. Now begin adding your 3/4 cup (177 mL) of alum powder into the heated water. Don't pour it all in at once, add slower & stir with your spoon or glass stirrer as I demo in the video. Keep adding (more than the suggested amount if needed) until your solution reaches super-saturation. *TIP: If you do have undissolved alum powder at the bottom (as you should) you can force them to dissolve by placing the solution in the microwave for a 1 min or 2 then stirring again. USE CAUTION if you decide to do this as it will be very hot, but doing it will prevent alum powder from wanting to collect with the powder at the bottom, therefore more crystals on our geodes!*
6. Let your solution cool at room temp. for about 30 min.
7. Using your spoon gently dunk 1 of your eggshells in your super-saturated crystal growing solution, pushing it down to the bottom of the container with the open end of the eggshell facing up. If you choose to add another eggshell try to make sure they don't touch each other much...you'll get better crystal growth.
8. Leave the container in a safe spot overnight (at least 12 hours). Allow your crystals to grow without being bumped or disturbed. If you can stand to leave them in longer than just overnight, you'll get bigger crystals. *Can you stand it?*

9. On the following day, using a spoon *very gently* fish your geode out of the solution. Want them to grow bigger? Gently dunk it back into your solution to hang out for another day or so. Don't worry about the color too much now as it will lighten up considerably once it dries & become sparkly & BRILLIANT!
10. Once you're satisfied with how they look, place them on a paper towel or drying rack for a few hours to dry

Now that you've grown this gorgeous beauty how do you keep it looking its best?

Be careful not to keep it in too humid of an environment since that will cause it to start dissolving. We don't want that. So after you've admired it for a few days, you can wrap it in paper to keep it dry & keep dust from settling on it & then store it in a closed container .

