



Geodes

Supplies Needed:

- 3 tablespoons- Borax
- 1 cup- Boiling Water
- Colored Pipe Cleaners
- Towels
- Chopsticks
- Fishing line
- Tall glass or pitcher

Instructions:

Total time for this activity is 5 hours

1. Shape the pipe cleaner into a sphere, but leave a hook to thread the fishing line through.

Question to ponder: What color will your geode be?

2. Thread the fishing line and tie the pipe cleaner loosely onto the chopstick so that the pipe cleaner does not touch the sides or bottom of your container.
3. Add boiling water and borax to your

glass and stir until the borax is completely dissolved.

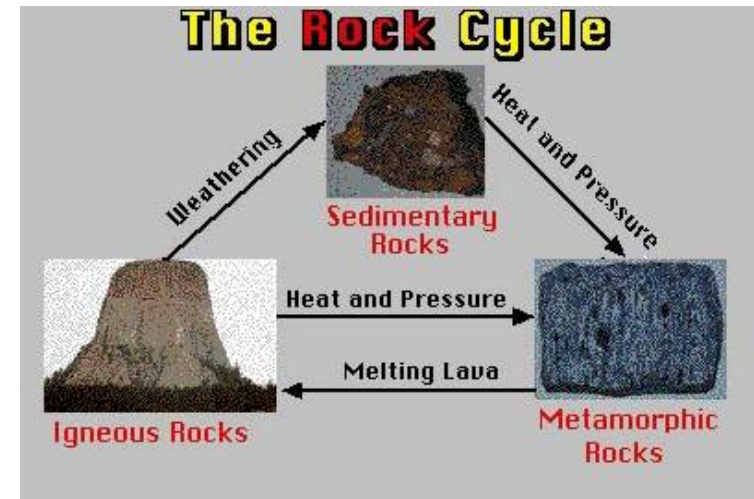
4. Let the pipe cleaner hang in the solution. Cover top of the glass with a towel.
5. Let the mixture sit for 5 hours (or overnight) and watch your geode grow!

What did you learn?

Geodes are formed from sedimentary rocks. Sedimentary rocks are one of three important categories for rocks, the other two are igneous and metamorphic. Igneous rock is made from hardened magma and lava. Examples of igneous rock include Basalt and Granite. Sedimentary rock is made from broken pieces of rock through weathering which is caused by water, wind and ice. Some

examples include limestone and sandstone. Metamorphic rock can be created from either igneous or sedimentary rocks. Examples of metamorphic rocks include slate and marble! With great enough heat and pressure, a metamorphic rock turns into a diamond!

Rock cycle image and information obtained from <http://volcano.oregonstate.edu/book/export/html/196>. Photo obtained from assets.marthastewart.com.



Making a geode: Example Images



Step 1 of making a geode



The final product: your geode



Step 2 of making a geode

Photos obtained from <http://dollarstorecrafts.com>