

Rock Candy

Gallery: MBBY

Course Name: What's the Matter

Grade Level: 2nd

Activity: Pre

Title: Rock Candy

Approximate Time Required: 30 min.

Vocabulary:

Solids	Dissolve
Liquids	Observations
Evaporation	Molecules
Water Cycle	

Objective:

Students will be able to explore evaporation and demonstrate how solids and liquids change state.

Materials Needed:

Hot pot/heat source	glass jar
1 cup water	pencil
1 ½ cups of sugar	clean piece of string
Wooden spoon	

Procedure:

1. Using the hot pot or heat source, boil water.
2. Add the sugar and stir until the crystals dissolve. Be sure to explain that the sugar molecules are still there. The heat from the boiling water has broken the sugar into smaller pieces spread throughout the water.
3. Let the sugar water cool and pour into glass jars. Tie the string around the pencil and let the string hang down into the water. Rest the pencil on the rim of the glass.
4. Place the glass in a cool place and wait a few days. Gradually the water will cool and evaporate leaving behind large sugar crystals or "rock candy". Explain that as the water cooled the molecules moved closer together.

Evaluation:

Discuss observations and draw conclusions

Modifications: (optional: Gifted, Special Education, ELL)

Georgia Standards:

S2P1, S2CS4