
35. MINERAL LOTTO

Overview: Students will play a game similar to "Concentration" using minerals found in rocks.

Objective: After playing "Mineral Lotto", students will have more knowledge about how different minerals from rocks are used in our daily lives.

Time needed: 30 minutes

Group Size: 2-4

Age appropriateness: 4th Grade and up

Site: any

Background: Mineral resource products are an important part of our society. We use mineral resources every day; from toothpaste to make-up to foods we eat. Because they are so much a basic part of our lives, we don't think of them very often. It is important for people to understand the many varied uses of these resources.

Materials:

- Provided at the Garden
 - Sets of "Mineral Resource" and "Use" cards
 - List of resources and their uses
- Provided by the classroom teacher

Preparation: none

Pre Activity: Assess prior knowledge of mineral use in our society.

Procedure:

1. Using the list of minerals, familiarize students with each minerals' name and type. Show samples of the minerals if available.
2. Go over directions for playing the game.
3. Mix all the cards and arrange them face down in front of the players.
4. Players take turns turning over any 2 cards.
5. If a corresponding match is made, the two cards are kept by the player that found them. If a match is not made, the cards are turned over and left in play.
6. Play continues until all pairs are matched and the winner is the player with the most cards.

Modifications: Pair older students with younger ones.

Extensions: Students could give the name of a mineral and another student in the group could tell a use for it. Students could walk around the Garden and try to identify the minerals they recognize. Students could go home and walk through their homes and bring in a list of at least 10 items and the mineral resource they are made of. Reading labels may help students find mineral uses.

Reference List:

Out of the Rock

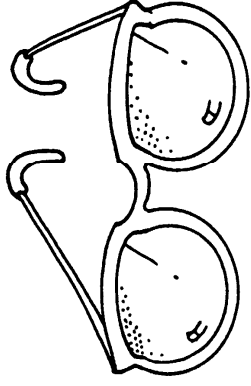
Rock and mineral field guides

Stories in Stone, GEMS

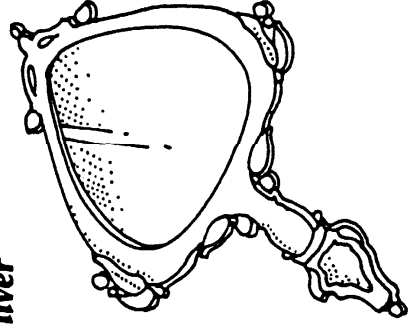
Time of Year: any

****This activity was adapted from Out of the Rock.**

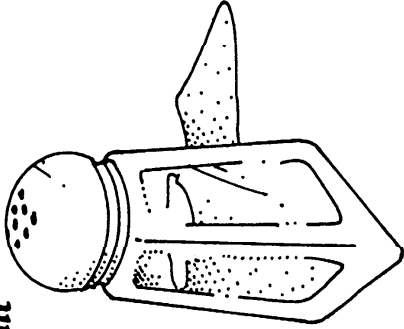
Silica



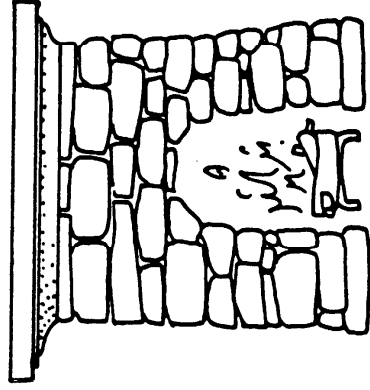
Silver



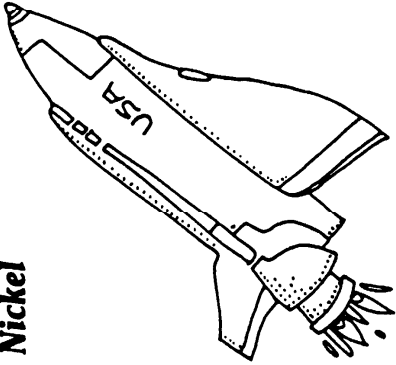
Salt



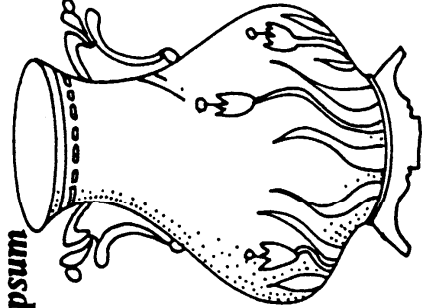
Limestone



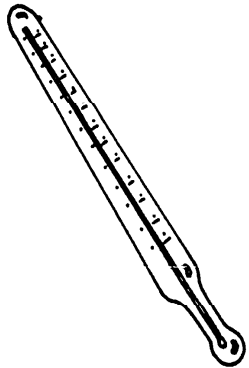
Nickel



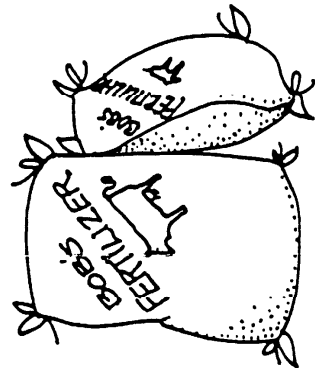
Gypsum

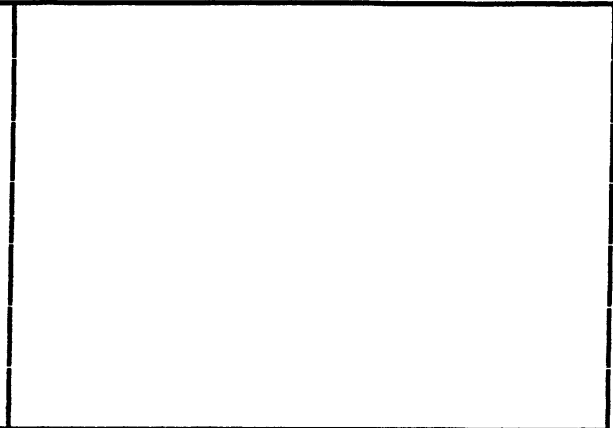
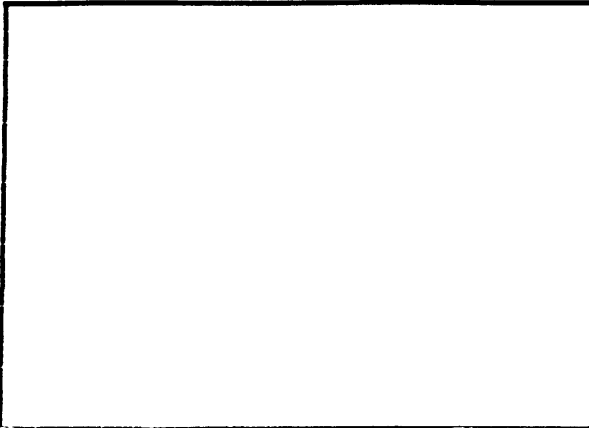


Mercury

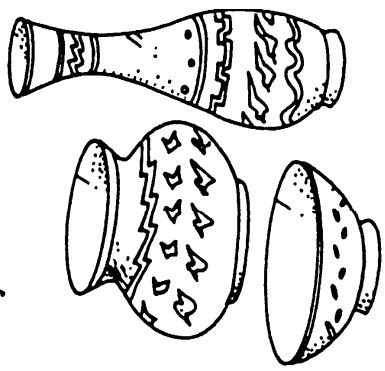


Phosphates

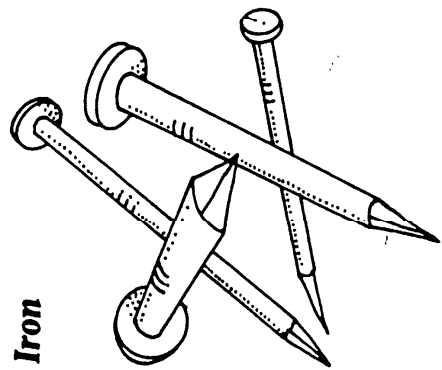




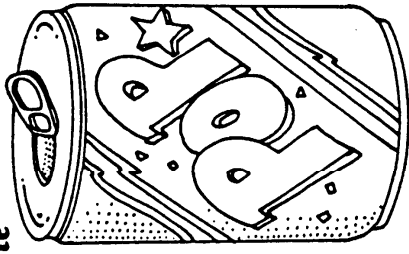
Clay



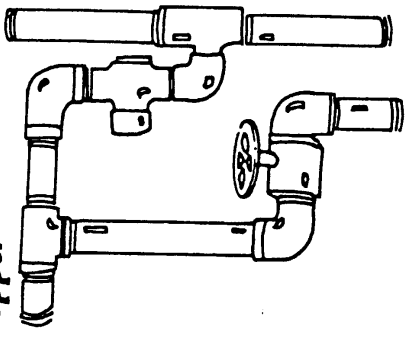
Iron



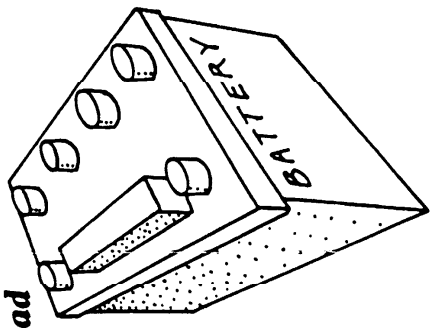
Bauxite



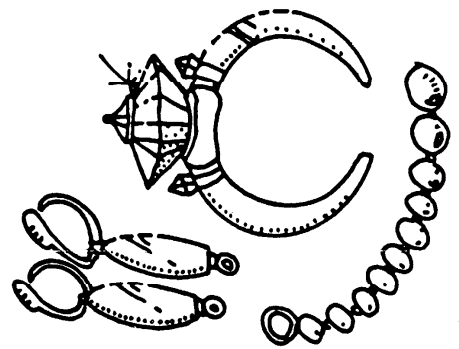
Copper



Lead



Gold



Gold	Limestone	Silica	Nickel
Bauxite	Phosphates	Clay	Iron

Mercury	Lead	Copper	
Salt	Silver	Gypsum	