

# ROCKS & MINERALS



# BADGE

This book belongs to

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My Seekers Leaders are

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# Attention Parents!

We're glad your child is coming to Seekers! Our Seekers leaders encourage a positive, loving atmosphere in which spiritual learning can occur. You can play a very important role in your child's progress through each badge as some projects will require your participation.

There are a couple of things to note. Your child will need you to sign at the end of some of the sections. Please sign these sections when your child has completed them. Also, all scripture in these badge materials are quoted from the New International Version.

We hope your child has a great year learning in Seekers!

Seekers Staff

# ROCKS & MINERALS

God made many things on this earth to learn about and enjoy. One of the things is our landscape around us. Have you ever just walked along with your head down, kicking pebbles, and found a larger rock that interested you by its shape or color? Did you pick it up to get a closer view of it? Did you break it in half if you could? Was it prettier on the inside than the outside? Rocks are used for foundations of homes, large buildings, and the building of roads.

## SECTION 1

Sometimes rocks are used as illustrations for an idea. An example is the "rock" we read about in 2 Samuel 22:2-3 NIV:

"The Lord is my rock, my fortress and my deliverer; my God is my rock, in whom I take refuge, my shield and the horn of my salvation. He is my stronghold, my refuge and my savior - from violent men you save me."

David also knew of a "rock" as found in Psalm 95:1. Read this verse and write what you think the word rock means.

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SECTION 2

*LEARN AND RECITE*

Psalm 95:1 NIV

"Come, let us sing for joy to the Lord; let us shout aloud to the Rock of our salvation."

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## SECTION 3

Make a rock collection! Rocks come in different shapes, sizes, and a variety of colors. Have fun seeking out different kinds of rocks!

Rocks are grouped into three classifications. Can you tell the difference between igneous, sedimentary, and metamorphic rocks? You may seek information online, in encyclopedias, books, etc.

Complete the following sentences:

Igneous rocks are formed by:

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Sedimentary rocks are formed by:

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Metamorphic rocks are formed by:

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## SECTION 4

Gather samples of at least five different rocks from the area in which you live. Gravel roads, streams, hills, beaches, mountains, and rock quarries are good sources.

Be careful! Some places may be dangerous and you may have to ask permission from the owners to be on their property. Always take another person along with you in your searches.



Keep track of where you found your specimens. When you get home, label your rocks with the following information:

- a. name
- b. color
- c. type
- d. source
- e. date found

Share your collection with your Seekers group.

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## SECTION 5

Do you know what petrified wood is? Let's find out! Look this up online or go to an encyclopedia or library for your information.

What does petrified wood contain?

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Where can petrified wood be found?

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If you are fortunate to own a piece of petrified wood, share it with your Seekers group.

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## SECTION 6

Let's talk about salt.

What does salt contain?

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Where can salt be found?

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Find a verse in the Bible about salt. Write it out, beginning with where the scripture is found.

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Seeker leader

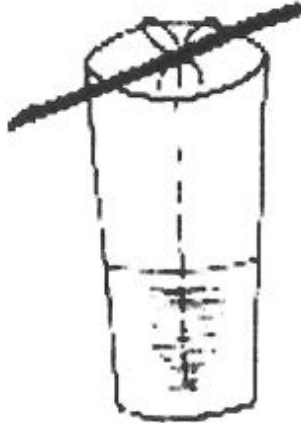
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Date

## SECTION 7

Make an experiment with salt. You can grow a chain of crystals with the following recipe:

Boil  $\frac{1}{2}$  cup water with  $\frac{1}{4}$  cup salt. Pour the hot solution into a glass or jar. Tie a piece of string around a pencil and lay the pencil across the top of the glass so that the string hangs down into the water. In less than one day's time you will see crystals forming on the string. In a few days more crystals will form at the bottom of the glass.

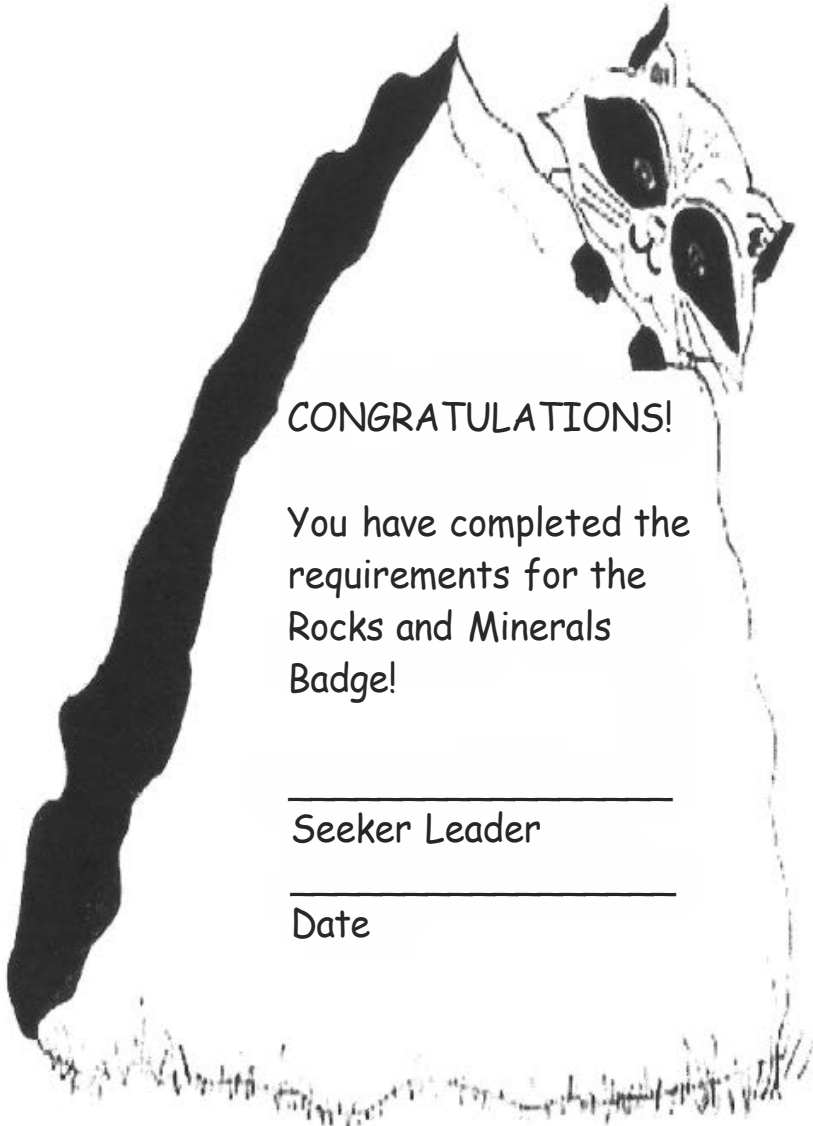


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CONGRATULATIONS!

You have completed the  
requirements for the  
Rocks and Minerals  
Badge!

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Date