

# THE MINERALS STUDENT NOTEBOOK

*An Geological Notebooking Adventure*





## ***The Minerals Student Notebook***

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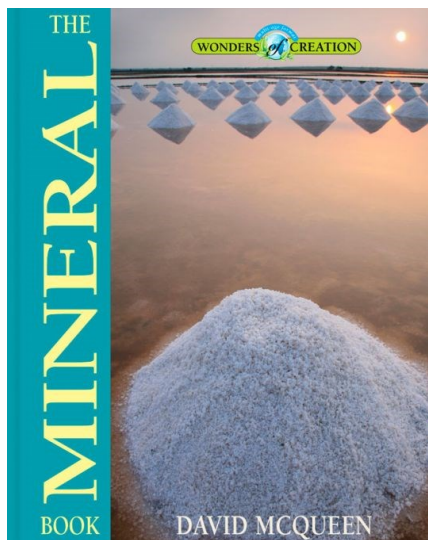
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## Acknowledgement



Minerals are a gift of God's grace. Every day we touch them, seeing the diamond in an engagement ring or a copper chain with a cross on it. Minerals are touched on in video games like Minecraft® and Mineral Valley™, making them more a part of our daily experience. Salt, one vital mineral, helps maintain the fluid in our blood cells and is used to transmit information in our nerves and muscles. Also, Jesus told his followers that we are the salt of the earth (Matthew 5:13), something thus needed for health and flavor. Here is a God-honoring book that reveals the first mention of minerals in the Bible, symbolic usages, their current values in culture and society, and their mention in heaven.

The Wonders of Creation series published by Master Books is a favorite among many homeschoolers. That is why, with the publisher's permission, we've created this student notebook that you can use alongside the textbook. It's a great way to help your students go deeper in their understanding and retention of the material and provides room for notebooking, diagramming, and more.

Other books in this series include:

- *The Archaeology Book (The Archaeology Student Notebook also available)*
- *The New Astronomy Book (The Astronomy Student Notebook also available)*
- *The Cave Book*
- *The Fossil Book*
- *The Geology Book*
- *The Ecology Book*
- *The New Ocean Book*
- *The New Weather Book (The Weather Student Notebook also available)*

Learn more at <https://www.masterbooks.com/wonders-of-creation-9-book-set> and find our companion notebooks at <https://homeschoolgiveaways.com/product-category/master-books-wonders-of-creation-companion-notebook-series/>.

# Extra Printables Related to Studying Geology & Mineralogy

We have some bonus **free** printables on Homeschool Giveaways that would be great additions to your study of geology and mineralogy. Check them out below!

[Earth Science Printables and Resources – Archaeology, Caves & Geology](#)

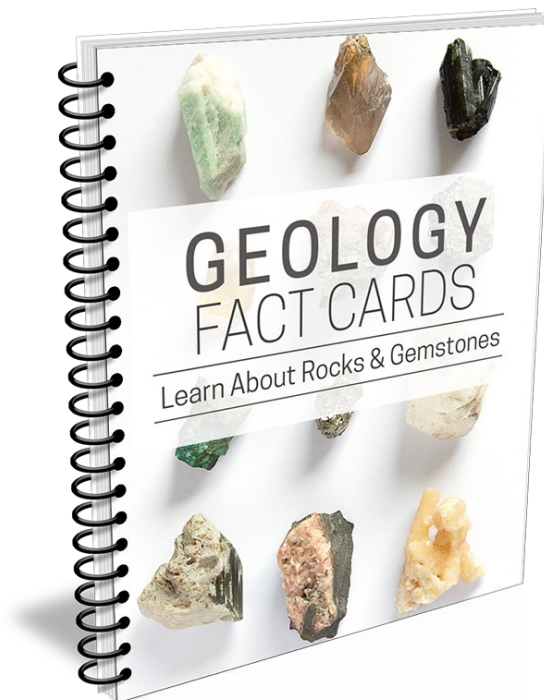
[Geology Printables and Resources](#)

[Rock Terminology Copywork Notebook](#)

[Printables and Resources on Rocks and Fossils](#)

## Recommended Resource

[Geology Fact Cards](#): This fun set of Geology Fact Cards teaches about rocks, gemstones, & minerals using fact cards. Students will learn about 12 different types of rocks and 8 different gemstones.



## The Minerals Student Notebook

# The Scarlet Thread & the Colored Stones

## Introduction

What does the purple color and the amethyst remind us of? \_\_\_\_\_

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What does the red color and the jasper remind us of? \_\_\_\_\_

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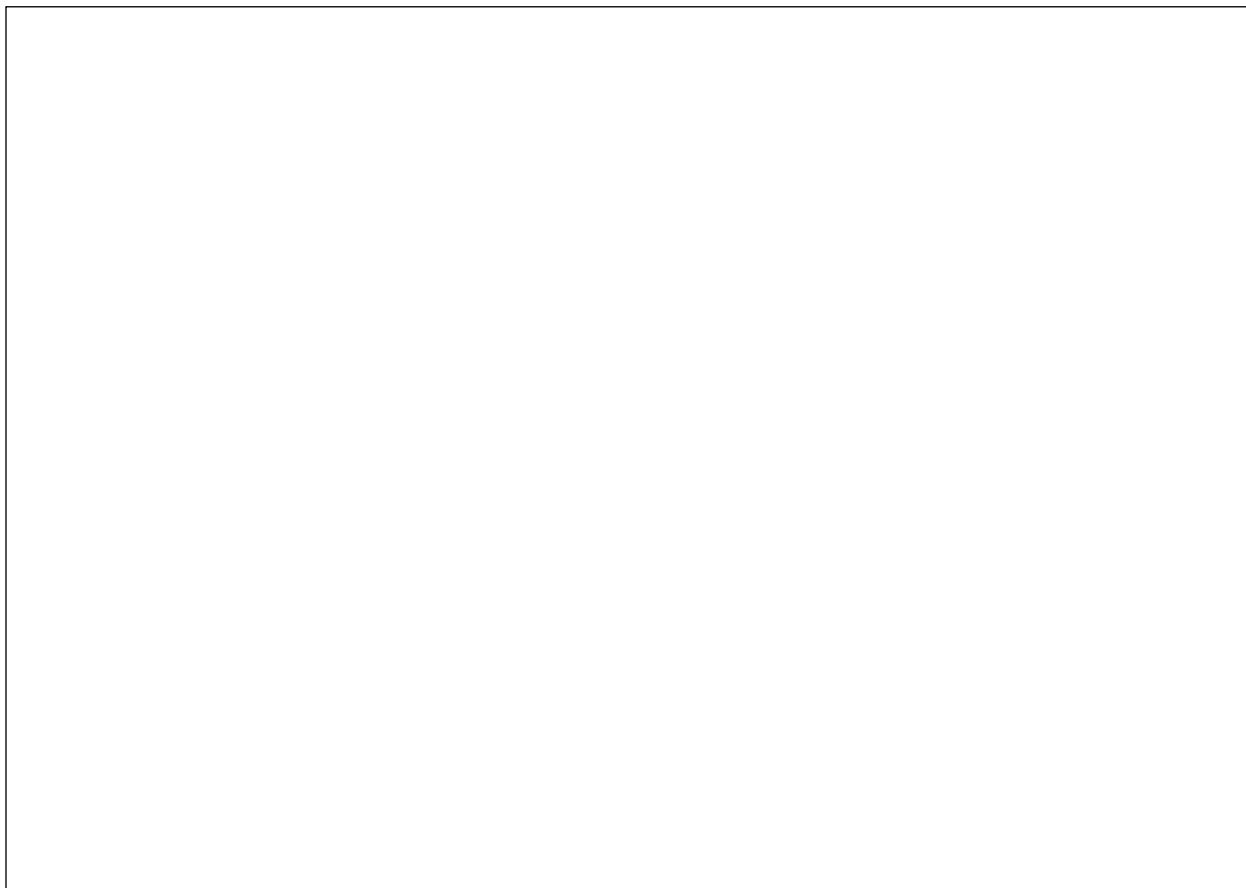
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What does gold remind us of? \_\_\_\_\_

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Draw and label these three special stones.



# The Minerals Student Notebook

## Unit One: Where Do We Find Minerals?

### Vocabulary

Your vocabulary words for this unit are below. Using the information at the beginning of the chapter, write the definition of each word.

rare minerals

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chemical interactions

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native mineral

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As you read the unit, write any words that you are not familiar with below. Look up their definitions and write them beside the words.

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# The Minerals Student Notebook

## Where Do We Find Minerals?

Read pages 10-19 of *The Mineral Book* and answer the questions with what you learn.

How many minerals are there in the world? \_\_\_\_\_

Name some of the places you can find minerals. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What are some places minerals are mentioned in the Bible? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Copy Mathew 5:13 in your best handwriting.

*"You are the salt of the earth, but if salt has lost its taste, how shall its saltiness be restored? It is no longer good for anything except to be thrown out and trampled under people's feet." Matthew 5:13*

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Fill in the chart with information about the featured mineral.

Mineral focus:	Chemical formula:
Crystal system:	Hardness:
Luster:	Streak:

# The Minerals Student Notebook

Where is salt found? \_\_\_\_\_

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What are some ways salt is used? \_\_\_\_\_

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Why do tears and sweat taste salty? \_\_\_\_\_

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List and summarize the three main methods of salt production.

1. \_\_\_\_\_

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2. \_\_\_\_\_

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3. \_\_\_\_\_

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What are some of the places you might encounter minerals in a routine morning?

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# The Minerals Student Notebook

Summarize how the following minerals are used by your body:

zinc: \_\_\_\_\_

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silicon: \_\_\_\_\_

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iron: \_\_\_\_\_

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potassium and sodium: \_\_\_\_\_

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calcium and phosphorus: \_\_\_\_\_

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Why is apatite considered by some to be a rare mineral? \_\_\_\_\_

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Why are minerals not rocks but rocks are made of minerals? \_\_\_\_\_

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Name the three types of rocks and give an example of each: \_\_\_\_\_

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# The Minerals Student Notebook

What were breaker boys? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What were spraggers? \_\_\_\_\_

\_\_\_\_\_

What were nippers? \_\_\_\_\_

\_\_\_\_\_

What were mule drivers? \_\_\_\_\_

\_\_\_\_\_

How and why did the use of breaker boys end? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What are some of the costs involved in modern mining? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Name one historic building and one famous sculpture that is at least partly made of marble.

\_\_\_\_\_

Where has much of the world's marble come from? \_\_\_\_\_

What minerals do you find in these everyday materials?

cloth towel: \_\_\_\_\_

batteries: \_\_\_\_\_

carpet: \_\_\_\_\_

computer: \_\_\_\_\_

## The Minerals Student Notebook

What are some of the ways minerals have been important to world history?

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What is ultramarine? Why did Johannes Vermeer use it to paint *The Milkmaid*?

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What are some clays and minerals that have been used to create colors?

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Draw one of the images from Chapter One, such as a mineral, a piece of mining equipment, a famous building or work of art, etc.

