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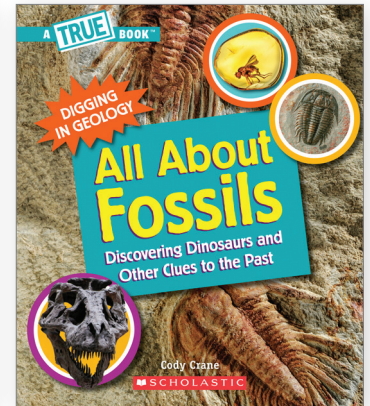
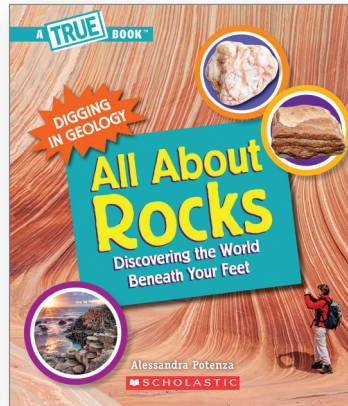
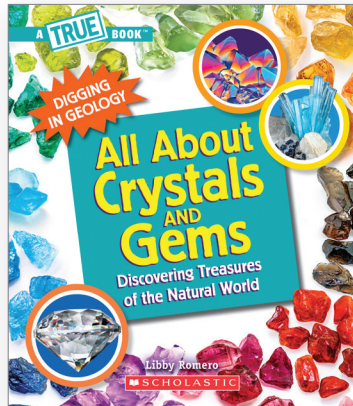
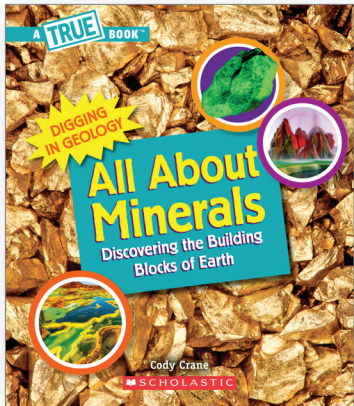
A True Book Digging in Geology

Pack up your gear and get ready to go on a dig!

Learn how rocks, minerals, fossils, and crystals are formed, where to find them, how to identify them, what their properties are, and how people use them. With engaging text, fun facts, photography, infographics, art and lots of fun facts, this new set of books will unearth all the mysteries of the ever-changing ground beneath our feet and all of its amazing geological processes.

Titles include: *All About Crystals and Gems* • *All About Fossils* • *All About Minerals* • *All About Rocks*

Grades: 3–5 | **Age:** 8–10 | **Trim:** 7 ¼ x 8 ¾ | 48 pages, full-color and black and white photographs



Dig In!

Minerals are substances that form naturally on Earth. They are made up of one or more elements, which are the basic building blocks of everything in the universe. Minerals are solid crystals. This means they are made of substances whose atoms are arranged in a repeating, orderly pattern. Minerals are also inorganic; they are not made of living things. Some minerals are gemstones that can be cut and polished for jewelry.

PERIODIC TABLE

Minerals are also building blocks for rocks. They make up rocks that, in turn, make up our planet.

The BIG Truth

Is It a Rock or a Mineral?

Minerals are basic building blocks of rocks. Rocks and minerals are similar, but they are not the same! Check out the diagram below to find out the similarities and differences between them.

Rocks versus Minerals

Rocks	Minerals
<ul style="list-style-type: none"> Made up of one or more minerals. Can contain the remains of living things, like shells. They can always contain crystals. Form Earth's solid crust. 	<ul style="list-style-type: none"> Formed naturally by processes inside Earth and on its surface. Inorganic. Have crystals. Can be found in Earth's solid crust, as well as just below and under.

The Building Blocks of Granite

Granite is a rock that makes up much of Earth's rocky outer layer, the layer of rocks that form the land. Check out how four minerals come together to create granite!

- Feldspar:** The most abundant mineral in granite. It appears as white or pink crystals.
- Quartz:** The second most common mineral in granite. It appears as round, glassy grains. Quartz, along with feldspar, makes granite extremely hard.
- Mica:** This mineral has a pearly luster. Tiny grains of mica make granite sparkle.
- Biotite:** The mineral that gives granite dark-colored spots.

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Titles in this series

- Uses **Next Generation Science Standards** as starting topics.
- **Find the Truth!** feature starts each book with two statements—one true and one false—which begins the inquiry process by **engaging readers to think proactively**
- An introductory spread provides an **important overview of the information** to be presented, always linking the global theme of the series, Geology, to the subject matter.
- Fascinating **sidebars** highlight important concepts, moments, and ideas.
- **Full-spread explorations of geological data** encourage students to analyze information for themselves.
- **Timelines** outline major events related to the discovery of these materials and concepts.
- **Think Like A Scientist** encourage readers to analyze information the way a real scientist would!
- **True Statistics** pages provide readers with fascinating stats about space, at-a-glance
- **Glossaries** explain crucial terms in a way that makes them easy to understand.

Contact your local Scholastic salesperson for more information or to place an order



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