

Geology for Kids

*A Biblical Approach to
Earth Science and Earth History*

Geology Journal

By Patrick Nurre

The Northwest Treasures Curriculum Project
Building Faith for a Lifetime of Faith

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The Rocks and Minerals of the Earth

III.1. Atoms and Elements

1. What is an atom?

2. What is an element?

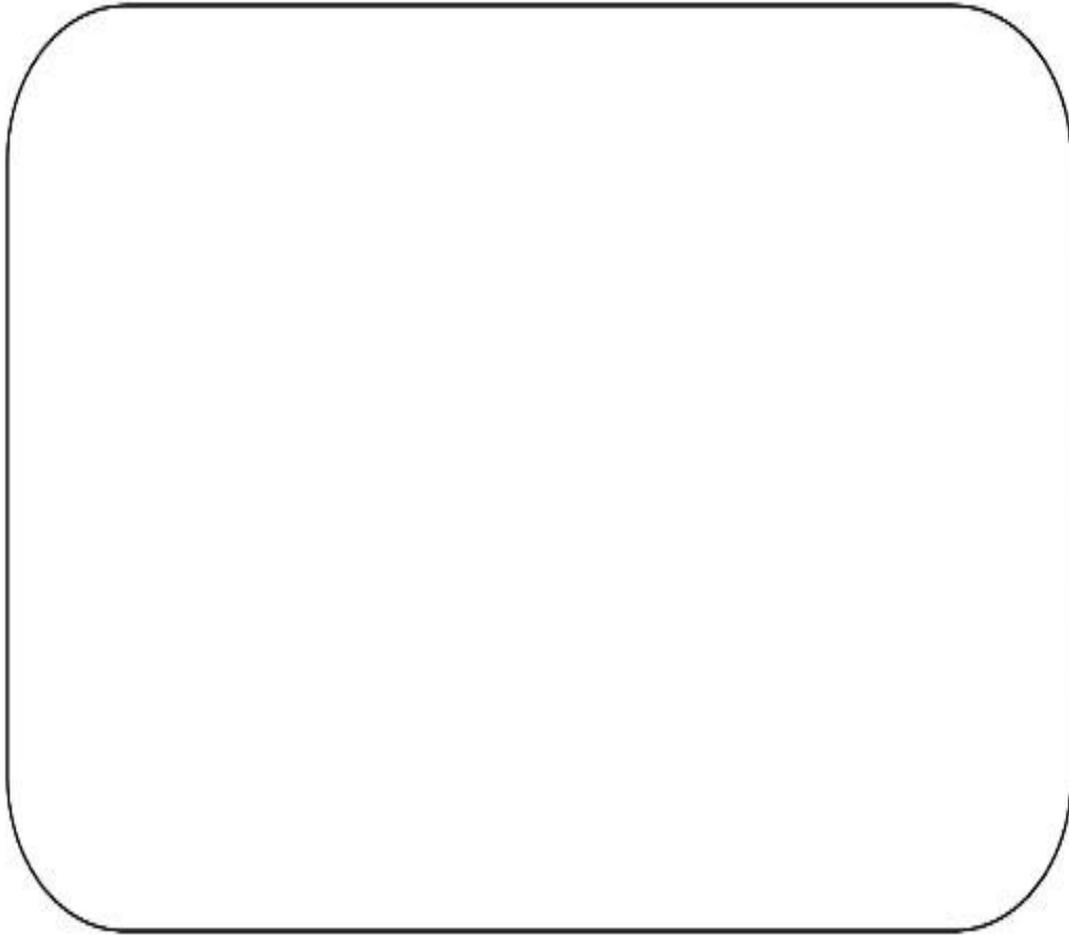
3. What are the parts of an atom?

4. What is a mineral?

5. What is a rock?

6. Name the six parts of the earth listed in your text.

Draw a picture showing these areas. Label your picture.



III.2. Minerals

1. List the eight most abundant elements that form the earth's crust.

1. _____

5. _____

2. _____

6. _____

3. _____

7. _____

4. _____

8. _____

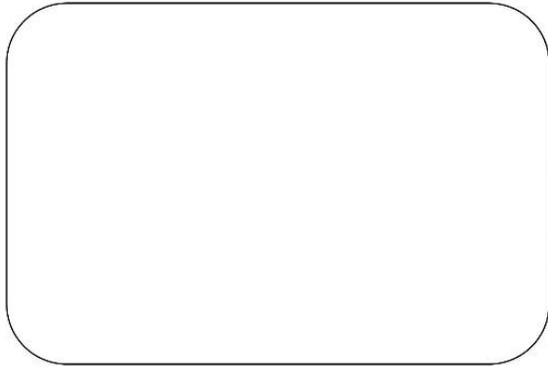
Make a chart listing the elements that make up the 12 rock-forming minerals. Use the internet or encyclopedia to help you find the different elements that make up the minerals.

Mineral	Elements

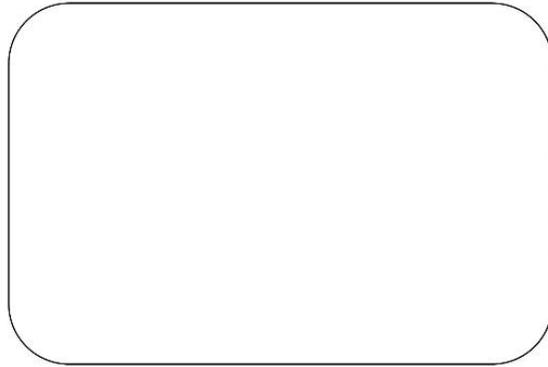
III.3. The Plutonic Rocks

Draw pictures (or use words to describe) granite and gabbro. Pick the minerals out of your kit that are in these two rocks and examine and compare them with the rocks. When you draw your picture, be sure that your picture is not so small that you can't see what it is of. Fill the box with the image.

Granite



Gabbro

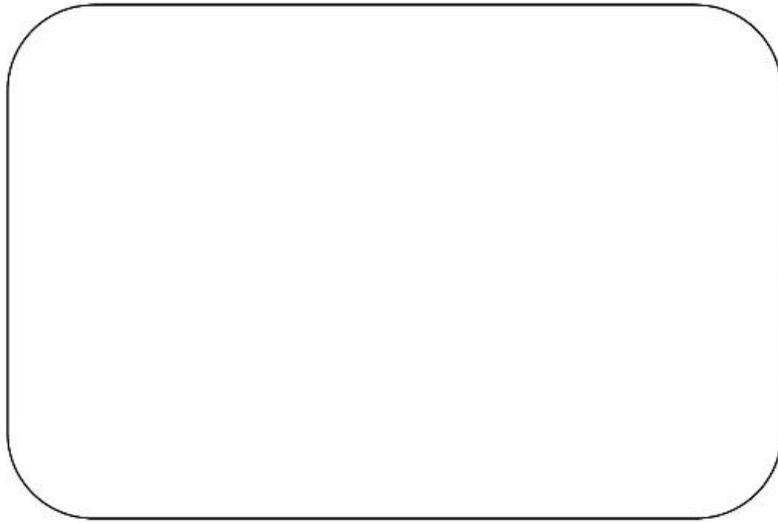


What is a plutonic rock, and what is a way to easily identify it?

III.4. The Volcanic Lava Rocks

Using modeling clay, make models of the three different types of volcanoes. Draw pictures of your models below, or, if you do not make models, draw representations of the three types of volcanoes. You could also take pictures of your volcanoes and paste them in here.

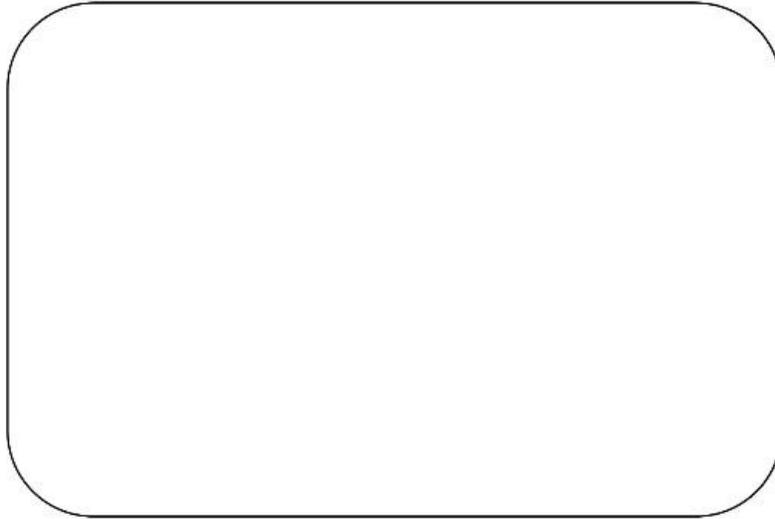
Shield Volcano



Stratovolcano

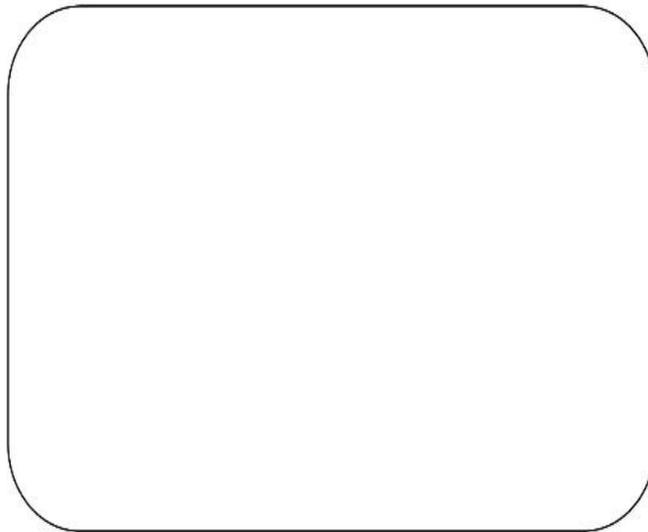


Caldera



In your textbook, you are given instructions to create a fossil imprint. After you complete that activity, take a picture of your imprint and glue it in the space below.

Fossil Imprint



IV. 2. Types of Fossils

Identify the five types of fossils. Give an example of each.

1. _____
2. _____
3. _____
4. _____
5. _____

In your text you are asked to find the fossils display card in Appendix A. Copy this on to heavy cardstock. Arrange and/or glue your fossil samples onto the card, one per box. Be sure to identify the kind of fossil (invertebrate, vertebrate, plant) and its name (algae, brachiopod, petrified wood, etc.). Do not glue down the dinosaur fossil.