

## Understanding Your Environment: Bedrock Geology Activity 2 - Igneous Rocks and the Geologic History of Your Community

### This investigation will help you to:

- Investigate - Part C: Evidence of Metamorphic Rocks in Your Community
- Understanding and Applying What You Have Learned
- Preparing for the Chapter Challenge
- Inquiring Further
- The Nature of Igneous Rocks
- Magma, Lava, and Igneous Rocks
- Classifying Igneous Rocks: Texture
- Classifying Igneous Rocks: Chemical and Mineral Composition
- Explosive Volcanic Eruptions

#### Investigate - Part C: Evidence of Metamorphic Rocks in Your Community

Examine the geologic map of Ohio (as an example).

- Geologic Map of Ohio
- Generalized column of bedrock units in Ohio

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#### Understanding and Applying What You Have Learned

Examine the geologic map of Ohio (as an example) and list of metamorphic rocks found in the region covered by the map.

- Geologic Map of Ohio
- Generalized column of bedrock units in Ohio

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#### Preparing for the Chapter Challenge

Write a one or two paragraph description about the events and evidence for metamorphism in Ohio (as an example).

- Geologic Map of Ohio
- Generalized column of bedrock units in Ohio

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#### Inquiring Further

Investigate one of the following:

- Ship Rock, New Mexico
- Yosemite National Park, California
- Devil's Postpile National Monument, California

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### The Nature of Igneous Rocks

- Igneous Rocks Lesson - Volcano World  
View a slide show about igneous rocks. The lesson is part of a series of lessons called "Rocks and Minerals."
- Igneous Rock Tour - California State University Long Beach  
A self-guided tour through igneous rocks with hand sample and outcrop pictures of different igneous rocks. Page also includes quiz with answer key.

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### Magma, Lava, and Igneous Rocks

- Magma, Lava, Lava Flows, etc.  
Learn more background information about lava and the hazards associated with lava flows.

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### Classifying Igneous Rocks: Texture

- Atlas of Igneous and Metamorphic Rocks, Minerals, and Textures - University of North Carolina  
See examples of plutonic (intrusive igneous rocks) and volcanic (extrusive igneous rocks).
- Igneous Rock Classification - Glendale Community College  
This site contains a wonderful chart, pictures, and descriptions of the different classifications of igneous rocks.

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### Classifying Igneous Rocks: Chemical and Mineral Composition

- Igneous Rock Classification - Glendale Community College  
This site contains a wonderful chart, pictures, and descriptions of the different classifications of igneous rocks.

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### Explosive Volcanic Eruptions

- 20th Century Volcanic Eruptions and Their Impact - USGS  
Learn about several case studies and find links to get further information about each eruption.

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