

How are minerals identified in the rocks?

Igneous rocks are composed of different types of minerals. It is often possible to identify the different minerals in a sample of rock.

Procedure

1. Obtain a sample of **granite** and **rhyolite** and a **magnifying lens**
2. Examine a sample of **granite** from about 3 feet.
3. Use a **magnifying lens** or microscope to observe the granite sample.
4. Examine a sample of **rhyolite** from about 3 feet.
5. Use a **magnifying lens** or microscope to observe the rhyolite sample.

Analysis

1. **Illustrate** what you saw from 3 feet and through the magnifying glass or microscope. Include a scale for your drawing.
2. **List** the different **minerals** that you observed in your sample.
3. **Describe** the sizes and shapes of the mineral crystals.
4. **Describe** any evidence that suggests that these crystals formed from molten rock.

Granite Analysis

1. Illustrations

3 Foot Observations	Magnified Observations

2. List of observed minerals. _____

3. Describe the sizes and shapes of the minerals. _____

4. Describe any evidence that suggests that the minerals formed in magma. _____

Rhyolite Analysis

1. Illustrations

3 Foot Observations	Magnified Observations

2. List of observed minerals. _____

3. Describe the sizes and shapes of the minerals. _____

4. Describe any evidence that suggests that the minerals formed in magma. _____
