

There are five characteristics that are required for a substance to be considered a mineral. Describe them.

- Natural:
- Solid:
- Inorganic:
- Specific chemical (elemental) composition:
- Regular internal crystalline structure:

What are rocks?

How are minerals like fossils?

What are some of the common rock forming minerals?

How can the growth of a mineral be compared to the construction of a block wall?

Why is quartz harder than steel?

What is cleavage?

How does the cleavage of feldspar differ from the cleavage of mica?

What is one easy way to distinguish calcite from quartz?

What happens when you drop acid on a carbonate mineral (or rock)?

How deep in the crust were the granitic rocks of the Whipple Mountains formed?

Discuss diamonds and graphite. What makes them so different?

Discuss hydrothermal solutions and the precipitation of metallic minerals.

What is the origin of most hydrothermal solutions?

Discuss the formation of ore minerals.

Discuss the importance of the silicate minerals (this is very important)