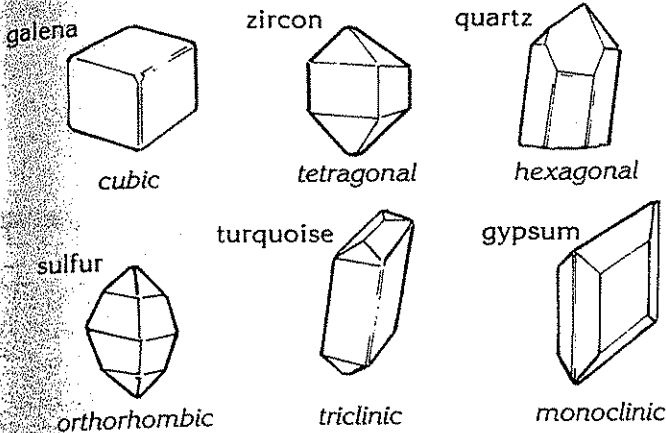


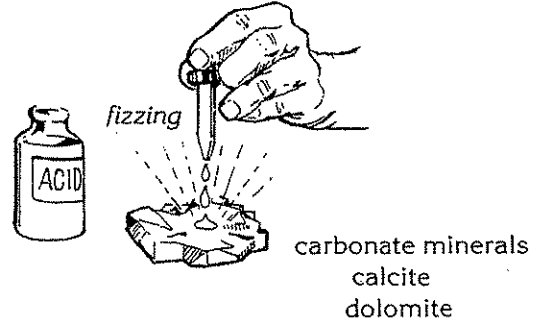
Minerals and Their Identification

Minerals are natural substances that have definite crystal structure and chemical composition.

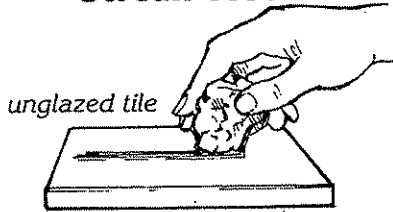
Crystal Shape



Acid Test

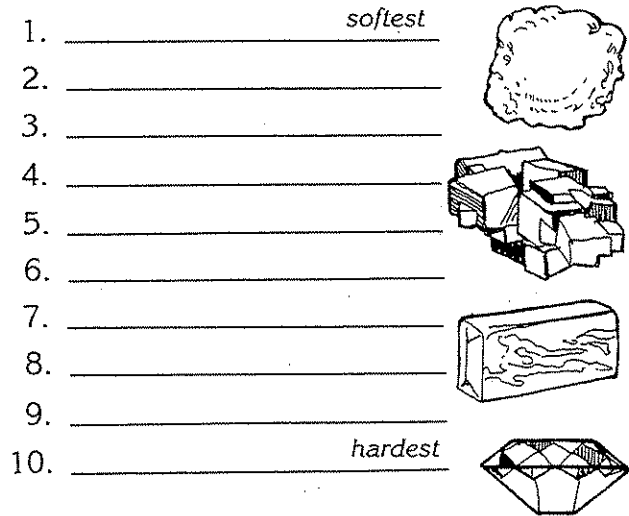


Streak Test



Streak Color	Mineral
lead gray	galena
green	olivine
yellow-brown	limonite
red-brown	hematite
black-green	pyrite
scarlet	cinnabar
light blue	azurite

Hardness Test



- Write the names of the ten minerals in the correct order on the hardness scale at the top of the page.
- How can the streak test be used to identify the two iron minerals, limonite and hematite? _____
- Both calcite and quartz can be found as clear crystals. What tests can be used to correctly identify them? _____
- a. What is the softest mineral? _____
b. What is the hardest mineral? _____
- Which mineral has a cubic crystal shape and a lead gray streak? _____
- Glass has a hardness of about 5.5. Which minerals will scratch it? _____