

Name:

Date:

Mineral Review Sheet

- The green sand found on some Hawaiian Island shorelines most probably consists primarily of
 - quartz
 - olivine
 - plagioclase feldspar
 - orthoclase feldspar
- In which group are all the earth materials classified as minerals?
 - feldspar, quartz, and olivine
 - granite, rhyolite, and basalt
 - cobbles, pebbles, and silt
 - conglomerate, sandstone, and shale
- Which common mineral fizzes when dilute hydrochloric acid (HCl) is placed on it?
 - calcite
 - feldspar
 - quartz
 - talc
- Scratching a mineral against a glass plate is a method used for determining the mineral's
 - color
 - hardness
 - luster
 - cleavage
- Which mineral property is illustrated by the peeling of muscovite mica into thin, flat sheets?
 - luster
 - streak
 - hardness
 - cleavage
- The data table below gives information on mineral hardness.

MINERAL HARDNESS

Moh's Hardness Scale	Approximate Hardness of Common Objects
Talc	1
Gypsum	2
Calcite	3
Fluorite	4
Apatite	5
Feldspar	6
Quartz	7
Topaz	8
Corundum	9
Diamond	10

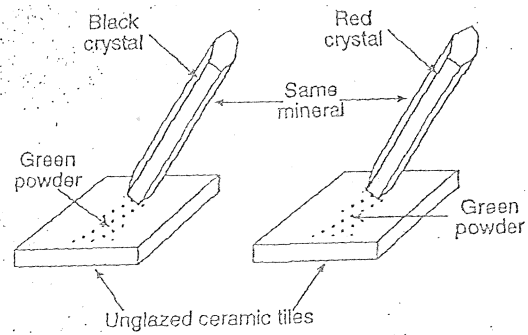
Approximate Hardness of Common Objects:

- Fingernail (2.5)
- Copper penny (3.5)
- Iron nail (4.5)
- Glass (5.5)
- Steel file (6.5)
- Streak plate (7.0)

Moh's scale would be most useful for

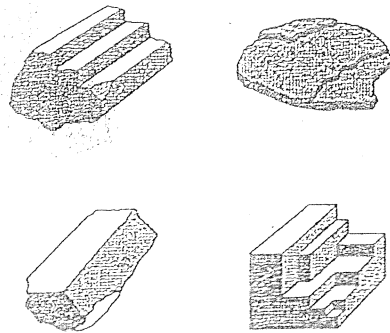
- identifying a mineral sample
- finding the mass of a mineral sample
- finding the density of a mineral sample
- counting the number of cleavage surfaces of a mineral sample

- The diagram below shows the results of one test for mineral identification.



Which mineral property is being tested?

- density
 - fracture
 - streak
 - luster
- The diagrams below represent fractured samples of four minerals.



Which mineral property is best illustrated by the samples?

- hardness
 - streak
 - cleavage
 - density
- Which mineral is an ore of iron and has a characteristic reddish brown streak?
 - magnetite
 - pyrite
 - hematite
 - olivine
 - What is the hardness of Sulfur?
 - 6.5
 - 2
 - 3
 - 2.5
 - Which mineral has a greater hardness?
 - Galena
 - Olivine
 - Garnet
 - Biotite Mica