



Amethyst Fluorite



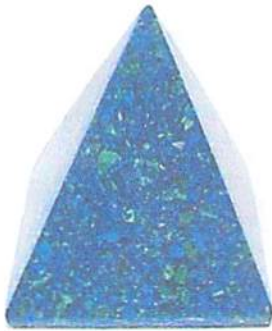
Malachite



Calcite

www.shutterstock.com 63823633

Minerals



Azurite



Malachite



sulfur



© geology.com

Calcite



Minerals are rocks.



Minerals are found under the earth's surface.



Minerals are not made.



Minerals are natural.



Minerals are not living.



Minerals are hard pieces of the earth.



7

You can describe minerals in seven ways.

5



The 5 easiest ways to identify minerals are luster,



hardness, color, streak, and crystal shape



1. Luster

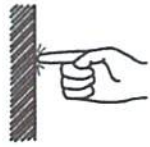


Some minerals are shiny.



Some minerals are dull.

2



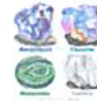
2. Hardness



Some minerals are hard.



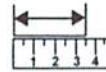
Some are soft.



You test the hardness of minerals by scratching minerals.



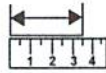
The hardness of a mineral is measured on the Mohs Scale.



1

10

The hardness of a mineral is measured from 1 to 10.

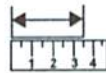


1



2

Soft Minerals measure 1 or 2.

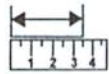


7



10

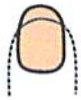
Very hard minerals measure a 7 or 10.



You can measure the hardness of a mineral by scratching



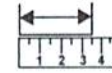
minerals with a fingernail, penny, glass, and a knife.



1



2

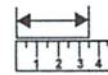


A fingernail is 1 or 2 on the Mohs Scale.

a



3



A penny is a 3 on the Mohs scale.

a



6



7

A glass is 6 or 7.



A knife is 7 or more on the Mohs Scale.



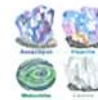
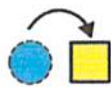
3. Color



Some minerals have many colors.



Some minerals have only one color.



Heat and pressure can change the color of minerals.

 Minerals with **1**  color  have a  name.

 Azurite is a  blue  mineral.

 =   Malachite are green mineral.

    Sulfur is a yellow mineral.

    Calcite is a white mineral.

4



4

Streak

...



If you scratch a mineral on a white tile



the mineral will leave a color.



The Color is called the streak.



Sometimes the streak is the color of the mineral.



Sometimes the streak is not the color of the mineral.

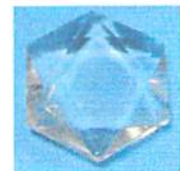
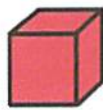
5



5. crystal shapes



All minerals have a crystal shape.



Some crystal shapes are cubic, tetragon, and hexagon.