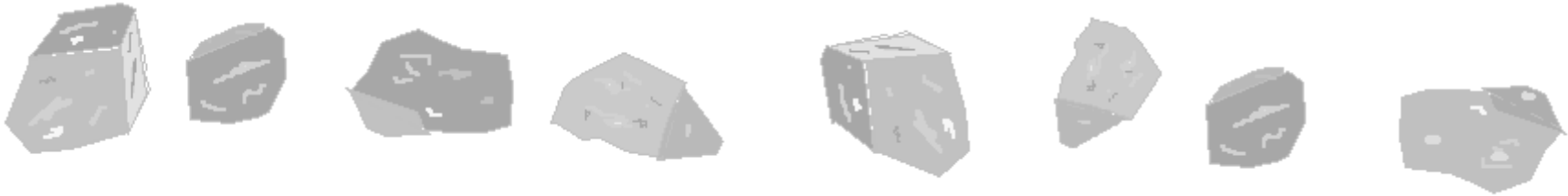


Describe other tests for analyzing minerals.



CLEAVAGE

LUSTER

SURFACE COLOR

STREAK COLOR

Describe other tests for analyzing minerals.



Give a mineral and ask them to describe it before showing the four tests. Then tell them there are four ways a geologist describes a mineral, and let them guess the four tests. Then explain the four tests and let them describe their mineral.

CLEAVAGE

Minerals tend to break along planes.

Mica splits on a single plane, like a sheet.

Feldspar splits in two planes.

Halite splits in 3 planes to form a cube.

LUSTER

"Shiny-ness"

Light is reflected on the surface of the mineral.

Metallic

Pearly

Adamantine

SURFACE COLOR

Impurities may alter the color of the mineral.

Some minerals are always the same color.
(Sulfur is always yellow.)

Some minerals may come in more than one color.
(They may be brown, black, or blue.)

STREAK COLOR

Minerals leave a certain color when rubbed on unglazed porcelain.

Minerals that come in different colors still only have one streak color.

The color may be different than the color of the mineral.

You will need a collection of at least ten minerals, a Rock and Mineral Field Guide, a streak plate of unglazed porcelain, and a small hammer. Use the four tests to classify the minerals.

Geology 6 Information Pieces

<p>Minerals tend to break along planes. G-6</p>	<p>Minerals that come in different colors still only have one streak color. G-6</p>
<p>"Shiny-ness" Light is reflected on the surface of the mineral. G-6</p>	<p><u>Some</u> minerals are always the same color. (Sulfur is always yellow.) G-6</p>
<p>Impurities may alter the color of the mineral. G-6</p>	<p>The color may be different than the color of the mineral. G-6</p>
<p>Minerals leave a certain color when rubbed on unglazed porcelain. G-6</p>	<p><u>Some</u> minerals may come in more than one color. (They may be brown, black, or blue.) G-6</p>
<p>Mica splits on a single plane, like a sheet. G-6</p>	<p>Metallic G-6</p>
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<p>Halite splits in 3 planes to form a cube. G-6</p>	<p>Adamantine G-6</p>

To Make Your MatchCard more durable:

- 1. Put the student MatchCard and instructor MatchCard back to back in a clear plastic page protector.*
- 2. Laminate the information pieces. Or you can make them sturdier by covering the paper with transparent tape prior to cutting the pieces out.*
- 3. For more ideas on how to use the MatchCards, and for keeping a notebook for review, see the Instructor's Guide.*