Life up close.
Hastings Museum
Natural & Cultural History
Planetarium • Theatre

Name_____

Rocks and Minerals
Grades 4-6

Geology is the study of the Earth. Part of studying the Earth involves learning about rocks and minerals.

Did you know you have minerals floating all around you right now? They are in the air you breathe, the food you eat, the drinks you drink, and they are even inside of you!

To learn more about minerals, go on a little scavenger hunt in our **Rocks and Minerals Exhibit** upstairs.

First up- we are going to look for something found in toothpaste.
Hint #1: It is in the "Haloid Case" close to the Mammoth tusk.
Hint #2: It is green in color.
Hint #3: Our sample was found in Arizona.

_____

Next, we are going to find something that is in makeup.
Hint #1: It is in the "Silicate Case" near the turkeys.
Hint #2: It is a very shiny silver.
Hint #3: Our sample was found in Colorado.

_____

Our next mineral can be found in Kool-Aid and other sugary drinks.
Hint #1: You have been to this case before.
Hint #2: It is more commonly known as salt.
Hint #3: Our sample came from Kansas.

_____

The final mineral we are going to search for is in watches, T.V.s, computers, and phones.
Hint #1: We have a very large crystal display of this mineral.
Hint #2: All of the angles are 120° degrees.
Hint #3: Our sample weighs 35 pounds and was found in Arkansas.

_____

Minerals also make up rocks! There are three types of rocks: Igneous, Metaphoric, and Sedimentary. Look for our case of **"Igneous Rocks"** near the Mammoth Femur.

A lot of these rocks are made up of lava from volcanos. What are two other type of igneous rocks beside the lava rocks?

1.

2.

Right by the "Igneous Rocks," you will find the "Metamorphic Rocks." These rocks have been exposed to heat and pressure and changed into new rocks. What are two of the names of the metaphoric rocks we have on display?

1.

2.

Directly above "Metaphoric Rocks," you will find our **"Sedimentary Rocks"**. Usually these rocks have different layers, but as you can tell by our display, they do not always have these layers. What are two names of sedimentary rocks that do not have visible layers?

1.

2.

Did you know sedimentary rocks are also where we find fossils? How cool is that?!

Answer Key

First up- we are going to look for something found in toothpaste.
Hint #1: It is in the "Haloid Case" close to the Mammoth tusk.
Hint #2: It is green in color.
Hint #3: Our sample was found in Arizona.
(Fluorite)

Next, we are going to find something that is in makeup.
Hint #1: It is in the "Silicate Case" near the turkeys.
Hint #2: It is a very shiny silver.
Hint #3: Our sample was found in Colorado.
(Mica)

Our next mineral can be found in Kool-Aid and other sugary drinks.
Hint #1: You have been to this case before.
Hint #2: It is more commonly known as salt.
Hint #3: Our sample came from Kansas.
(Halite)

The final mineral we are going to search for is in watches, T.V.s, computers, and phones.
Hint #1: We have a very large crystal display of this mineral.
Hint #2: All of the angles are 120° degrees.
Hint #3: Our sample weighs 35 pounds and was found in Arkansas.
(Quartz Crystal)

Minerals also make up rocks! There are three types of rocks: Igneous, Metaphoric, and Sedimentary. Look for our case of **"Igneous Rocks"** near the Mammoth Femur.

A lot of these rocks are made up of lava from volcanos. What are two other type of igneous rocks beside the lava rocks? (Obsidian, Rhyolite, Howaridte, Lapilli, Scoria, Perlite, Pumice, Basalt)

Right by the "Igneous Rocks," you will find the "Metamorphic Rocks." These rocks have been exposed to heat and pressure and changed into new rocks. What are two of the names of the metaphoric rocks we have on display? (Slate, Granite)

Directly above "Metaphoric Rocks," you will find our **"Sedimentary Rocks"**. Usually these rocks have different layers, but as you can tell by our display, they do not always have these layers. What are two names of sedimentary rocks that do not have visible layers? (Clay concretions, conglomerates, red sand stone, concretions, diatomaceous, clay stone)