

Name _____
Period 1 3 4 5 7 8

Minerals



Starting with elements...

elements → minerals → rocks

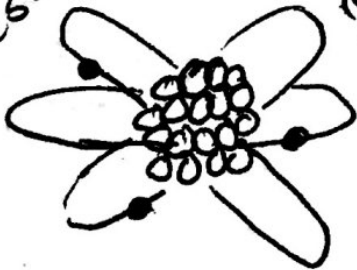
Elements

Definition

- Elements are what make up all matter, both living and non living.

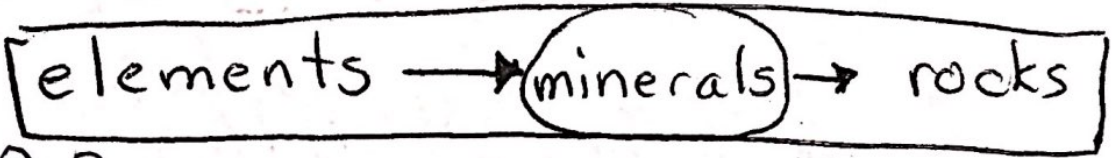
Every thing on Earth is made from just over one hundred different elements.

The tiniest bits of atoms are called elements.



Elements can combine just like Legos. They can combine in many different ways.

On to minerals!



MINERAL

Definition
A mineral is a natural substance made of elements.

Some minerals consist of just one kind of element.

Uh-huh!

Many other minerals consist of two or more elements.

Yep!



I'm Friedrich Mohs. I created the Hardness Scale for Minerals. And, I'm from Germany!

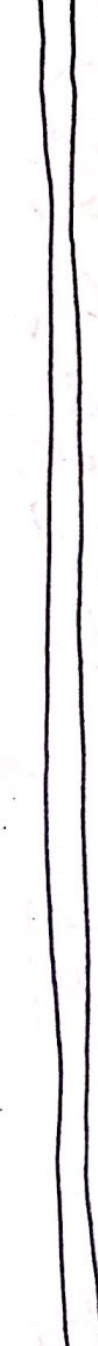
The 5 Properties of Minerals

Naturally Occurring (Happened in Nature!)	Inorganic	Solid	Crystal Structure (sharp corners & straight sides)	Definite Chemical Composition
--	-----------	-------	---	-------------------------------

Moh's Hardness Scale

Hardness	Mineral	Common Tests
1	Talc	Fingernail will scratch it.
2	Gypsum	
3	Calcite	A copper penny will scratch it.
4	Fluorite	Knife blade or glass will scratch it.
5	Apatite	
6	Feldspar (orthoclase)	Will scratch a steel knife or a window glass.
7	Quartz	
8	Topaz	
9	Corundum	
10	Diamond (shine Bright!)	Can only be scratched by another diamond.

Soft



Hard