Mineral Homework

Name ______ Period ____

A **Mineral** is a (1) naturally occurring, (2) inorganic (3) solid that has a (4) crystal structure and a (5) definite chemical composition

...but what does all of that mean?

Part of mineral	What do you think it means?	Read Pages 114-115 in the new
definition	what do you think it means:	Textbook "Inside Earth" and define:
1) Naturally		reaction inside Partir and define.
Occurring		
Occurring		
2) Incomin		
2) Inorganic		
3) Solid		
4) Crystalline		
Structure		
5) Definite		
Chemical		
Composition		

Directions: CIRCLE		at best represent teristic means	s what you think each			
Naturally occurring	Man made Not man made; made by nature					
Inorganic						
SOLID	SHAPE (circle one): Shape stays the Same Shape changes depending on the container	<u>Volume – size</u> <u>(circle one):</u> Shape stays the Same Shape changes depending on the container	<u>PARTICLES</u> (<u>circle</u> <u>one):</u> Close together- vibrating Close together – moving Spread out and flying around			
Crystalline Structure	Doesn't change shape – particles in a pattern Chages shape sometimes – no pattern for the particles					
Definite Chemical Composition						

		Examples								
Characteristic	Definition <mark>(Circle which</mark> one it is)	Quartz (SiO ₂)	Oxygen (O ₂)	Tree (Not same elements all the time)	Plastic (Always have Carbon, sometimes have oxygen)	Steel (Always have iron, sometimes have Nickel)	Ruby (Al₂O₃)	Coal (Always has Carbon, but not always in the same amounts)	Salt NaCl	Leather (Not same elements all the time)
Naturally occurring	Man made Not man made; made by nature	Yes or No								
Inorganic	From Living things NOT from living things	Yes or No								
Solid	Shape stays the same Shape changes – takes shape of container	Yes or No								
Crystal structure	Pattern No pattern (amorphous)	Yes or No								
Definite Chemical compositi on	Always the same elements in it Always different elements in it	Yes or No								