Name:	ш.	
Name.	#·	



## Rocks & Minerals Study Guide

## I. Directions: Please use the word bank to fill in the blanks below.

Rock	magma	circumference	Sedimentary	
Mineral	lava	luster	Igneous	
Calcite	mass	rock cycle	Metamorphic	
Quartz	Gypsum	sediment	erosion	
1.) A	is made up of	minerals.		
2.) Alayers or sediment	rock is usuall that have collected or c	y found in rivers and stream ompressed over a long perio	n beds. It has lots of od of time.	
3.) is what geologists call the "white mineral." It is VERY HARD! A Scratch Test would show that this mineral can not be scratched.				
4.) The is the process where new rocks are formed, and rocks are changed. It happens over millions of years.				
5.) A rock is made up of many different				
6.) is a mineral that is VERY SOFT!!! It is so soft that powder flakes off of it when put through a Scratch Test.				
7.) rocks are made when hot magma erupts out of a volcano. The lava, once magma, cools and hardens.				
8.) The process where pieces of rock are moved by wind, gravity, water or ice is called				
9.)placed in vinegar.	is a mineral tha	t reacts with acids, vinegar.	This mineral bubbles when	
10.) Rocks that were once sedimentary or igneous but change from pressure or heat are called rocks.				

11.)	is fossils, shells, sand, mud, twig	gs, leaves, broken bones and
other stuff that is compresse	ed together to form a special kind of rock.	
12.)	is hot, molten liquid moving inside the ear	th.
13.) When you measure the another word meaning weig	of a rock you can use a	scale or balance. It is
14.)	is magma that is found outside on the earth's surface.	
15.) When you observe a ro	ck and notice how shiny or sparkly it is you anof a rock.	re making observations on
16.) When measuring thearound the rock.	of a rock you ar	e measuring the distance
II. Please write I for Igneo	ous, S for Sedimentary, or M for Metamorp	hic to answer the
following questions about	rocks.	
17.) These rocks form quick	ly on the earth's surface.	
18.) These rocks form when	sediments collects and compresses.	
19.) These rocks from in riv	ers or streams.	
20.) These rocks form from	) These rocks form from pressure or heat.	
21.) These rocks form when	lava cools.	
22.) These rocks form very,	very slowly on the earth's surface.	
23.) These rocks were once	liquid, inside the earth's surface.	
24.) These rocks are found i	near volcanoes.	
25.) These rocks form when	an existing rock transforms or changes	
26.) These rocks have layers	s or pieces of sediment.	
27.) These rocks have ribbo	ns or wavy patterns.	
28.) These rocks have bubble	les, holes or pock marks.	
29.) These rocks can be shir	ny, glossy and smooth.	
30.) These rocks can form	in mountains	

## III. Please match the correct phase of the rock cycle with its explanation below. 31.) Weathering When rocks erupt or exit the earth and form igneous rocks Erosion When rocks change due of pressure or heat into metamorphic rocks Deposition When molten or extremely hot rock particles liquefy into magma When rocks particles are moved by wind, water, ice or gravity Compacting/ Cementation Metamorphosis When rock particles come together, compress and stick When rocks break apart from rain, or temperature Melting Extrusion When rocks are dumped or put in place IV. Please use the chart below to answer the questions. Paper Clip Knife Mineral A Yes Yes Mineral B No No **Mineral C** No No 32.) Which is the hardest mineral? How can you tell? 33.) Which is the softest mineral? How can you tell? V. Please answer the questions. 34.) What is the difference between a rock and a mineral?

Why?			
36.) According to the Rock Cycle, what must hap become a Metamorphic Rock?	open to an Igneous Rock in order for it to		
37.) A girl found something in her back yard. It was there were fossils or bones in it. When she placed find a rock or a mineral? How can you tell?	was all different colors. It looked like d it in vinegar it bubbled a bit. Did she		
In the space below please draw what a Sedimenta like and why.	ary Rock and an Igneous rock might look		
Igneous Rock			
Codimentary Dools			
Sedimentary Rock			