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Review: Rocks and Minerals

1. What is the difference between a rock and a mineral?

mineral: pure, inorganic substance that usually has a crystal structure mixture of minerals (not pure)

2. What are the 3 types of rock and how are they formed?

Igneous: cooling magma

Sedimentary: debnis (sediment) collects at bottom of oceans and over time gots compacted into rocks

metamorphic: Igneau or sedimentary nock that has 3. Give the definition for the following words:

a. Lithosphere

been subjected to high hest +

pressure

a. Lithosphere solid over layer of the Earth (const and upper

- traces of life (bones, foot prints, etc) that have been preserved in rock
- that collects at the bottom of the ocean
- d. Erosion weathering; slow breakdown caused by wind, water, ice or other forces.

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4. Examine the Moh's hardness scale below:

Hardness	Mineral	Household Item
1	Tale	
2	Gypsum	
2,5		Fingernail
3	Calcite	
3.5		Copper Penny (pre-1982)
4	Fluorite	
4,5		Paper Clip
5	Apatite	
5.5		Glass/Pocket Knife
6	Orthoclase Feldspar	
6.5		Steel File
7	Quartz	
8	Topaz	
9	Corundum	
10	Diamond	

a. Which substance is harder: Apatite or Fluorite? Apatite

b. Could Quartz scratch Topaz? NO

c. Could Calcite scratch Talc?

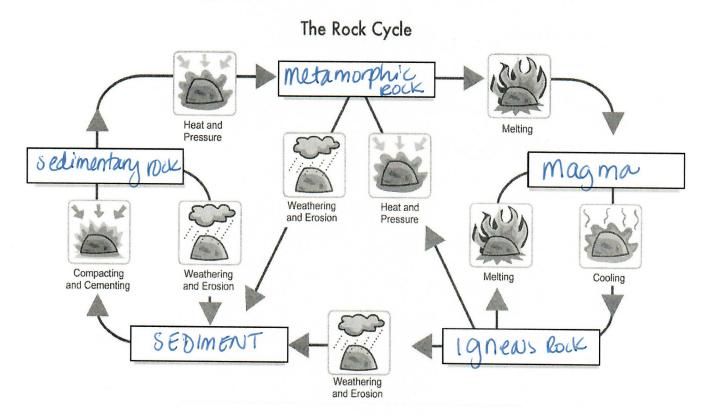
	O	
5. What are the three types of ign	neous rock and what is the differe	ence between them?
intusive - cools u	ndergrand	tu
extrave - cools a	ibove ground (aur	or when
porphyntic - two	contina Thases	
6. What are the 8 tests that can b	e used to identify a mineral?	le » i
- Crystal stricture	· Streak	also: - magnetism - acid test
- hardness	Cleavage	1110010
	- frature	- acid to
- COLUY	(Theoset	
- lustre	- density	
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7. Give an example of a rock for each of the following rock types:

	Example
Intrusive Igneous	gabbro
Extrusive Igneous	obsidian
Porphyritic Igneous	ganite
Metamoprhic	marble, schist, slate
Sedimentary	Limestone

8. Complete the following Rock Cycle.



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