WEBELOS GEOLOGIST ACTIVITY

What metals are made from these materia	ls?	
HEMATITE produces		
AZURITE produces		
SPHALERITE produces		
What minerals are used to produce these	products?	
Glass:		
Jeweiry.		
Fertilizer:		
What minerals are used to make Road Co	nstruction Products?	
	(Anr	proved by)
*Collect five geologic specimens that hav		roved by)
	(Apr	proved by)
*Put in order of hardness: 1	gypsum	
2.	fluorite	
3	talc	
4	quartz	
5	orthoclase	
6	apatite	
7	topaz	
8	diamond	
9	calcite	
10	corundum	
	(App	proved by)

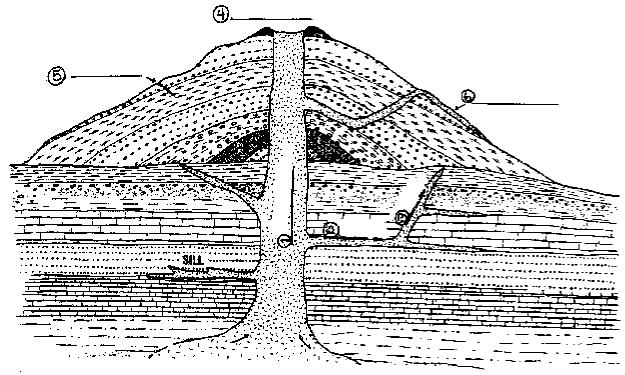
Mineral har	dness can he estimated	d by using comp	on objects with a know	wn hardness as follows:
viiiiCiai iiai	uness can be estimated	a by using comin	ion objects with a know	wii ilaidiiess as ioilows.
	Fingernail			
	Penny			
	Window glass			
	Knife blade Steel file	5.5 6.5		
	Steel IIIe	0.3		
			an be scratched with a nd has a hardness of _	steel file, but not with a
kN (alva a lia	t of some of the cools	-iti-la	d in the construction of	favora homos
iviake a lis	t of some of the geolo	gic materials use	ed in the construction of	or your nome.
				_
				(Approved by)
Give at lea	st one use for each of	the following ro	cks and/or minerals.	(Approved by)
Give at lea	st one use for each of		cks and/or minerals.	(Approved by)
*Give at lea	st one use for each of ROCK OR MINEI		cks and/or minerals. <u>USED FOR</u>	
Give at lea	ROCK OR MINE			
Give at lea				
Give at lea	ROCK OR MINE			
'Give at lea	ROCK OR MINER Barite	RAL		
Give at lea	ROCK OR MINER Barite Gypsum	RAL		
Give at lea	ROCK OR MINES Barite Gypsum Mica (Muscovite of	RAL		
Give at lea	ROCK OR MINER Barite Gypsum Mica (Muscovite of Magnetite	RAL		
Give at lea	ROCK OR MINES Barite Gypsum Mica (Muscovite of Magnetite) Galena Marble	RAL		
Give at lea	ROCK OR MINER Barite Gypsum Mica (Muscovite of Magnetite Galena Marble Hematite	RAL		
Give at lea	ROCK OR MINES Barite Gypsum Mica (Muscovite of Magnetite) Galena Marble	RAL		

continued.....

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(Approved by)

*On the picture of the volcano, label the six parts:



Cross section of a volcano. The throat of a volcano usually follows a fissure in the rocks. The magma enlarges the opening and forces its way along cracks and joints to form dikes and sills, and reaches the surface as lava flows.

*Give a brief explanation of how a volcano forms:	(Approved by)
*Other types of mountains are fault block mountains, d Explain how one of these was formed.	(Approved by) ome mountains, and folded mountains.
Webelo Scout	(Approved by) has completed all requirements of the
Geologist Activity on (Date) Completion verified by:	(5/89 Rev. 5/10)