Name	Parent 9	Signature	
Minerals Study Guide	• • •		
1. List the 5 characteristics	of minerals:		
A.			
В.			
C.	•		
D.			
E.			
2. List and define the 6 phy	sical properties of minerals. (Also us	ed to test minerals.)	
Property	Definition	,	
<del></del>	;		
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•			
•	ich minerals can form.	the second selection of the se	-
		<u> </u>	Baran.
B. Evaporates		2 Depart of	*
C. Magma/Lava	<u> </u>	<u> </u>	
	•		
4. A student observes that	an unknown mineral scratches a glas	s plate (hardness 5.5) and a sample of quartz	1. 1. 1
(hardness 7). What else	does the student know about the unknown	nown mineral?	Per tra
		ess is greater than 7.	
C Ite hardness is less	than 7 D. Its hardne	ess is less than 5.5.	4 · . · .
C. Its Haldness is iess	than 7.		• *
	with to break into outpood		
5. Which property causes	nalite to break into cubes?		
6. Pyrite is metallic in appe	arance. This describes which proper	ty?	
7. Which property of miner	als does Mohs scale measure?		
8. Of the following minera	s: mica, diamond, gypsum, and copp	per, which is an example of a gemstone?	
9. Which family of mineral	s is the most common?		
40. Olersify the following	s mineral or nonmineral: If a nonmine	eral, explain why?	
	,5 milioral of nominational it a nominate		
a. Fossils			
b. Sulfur			
c. Pyrite			
d. Sugar			
e. plastic			
- · · · · · · · · · · · · · · · · · · ·			

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

- 12. Imagine that you are trying to determine the identity of a mineral. You decide to do a streak test. You rub the mineral across the streak plate, but the mineral does not leave a streak. Has your test failed? Explain.
- 13. Why would cleavage be important to gem cutters, who cut and shape stones?
- 14. Imagine that you work at a jeweler's shop and someone brings in some gold nuggets for sale. You are not sure if the nuggets are real gold. Which identification tests would help you decide whether the nuggets are gold?
- 15. Which property of minerals is the least reliable? Why?
- 16. Suppose you are in a desert. You are walking across the floor of a dry lake, and you see crusts of cubic halite (rock salt) crystals. How do you suppose the halite crystals formed? Explain your answer.
- 17. How does the rate of cooling lava and magma affect crystal size?

Place the following terms/phrases into the concept map below: how they form, crystal, evaporites, color, properties, luster, precipitates, hardness, streak, cooling of lava or magma, mineral, Cleavage | Fracture

