Student's Name THINKING WITH SCIENCE Observation Quiz Lesson 16 (The Crystals)

- 1. Two ways that crystals form are:
 - A. cooling and heating of lava.
 - B. cooling of lava and heating of water.
 - C. heating of lava and cooling of water.
 - D. cooling of lava and evaporation of water solutions.
- 2. The slower that the process of crystal formation occurs:
 - A. the bigger the crystals are.
 - B. the more colorful the crystals are.
 - C. the more crystals there are.
 - D. all of the above.
- 3. A good place to find crystals is:
 - A. on a beach.
 - B. in the gravel of a dry stream bed.
 - C. at the bottom of a lake.
 - D. on a mountain top.
- 4. Why did the experiment use 3 identical bowls?
 - A. It was a controlled variable.
 - B. So that you could see through them.
 - C. They were all that were available.
 - D. All of the above.
- 5. In this focus, the manipulated variable was:
 - A. the kind of water.
 - B. water
 - C. the way the crystals formed.
 - D. the size of the crystals.
- 6. A controlled variable in this focus was:
 - A. water
 - B. bowls
 - C. temperature
 - D. all of the above.

	ned to the water that wa	s originally in the	bowls?	
	ndensed.	,		
B. It got				
C. It fro				
D. It eva	aporated.			
	amounts of salts are pro	esent in tap water,	what do we call the	em?
A. ions				
B. mole				
C. mine				
D. abun	dant			
9. When water	evaporates, what is left	behind?		
A. every	ything that was in it.			
B. mud.				
C. sodiv	ım chloride.			
D. potas	ssium sulfate.			
10. When we tu	ırn a liquid into a gas, a	and then turn the g	as back into a liquid	d, the
is called:		C		
A. boilii	ng			
B. freez	ing			
C. distil	ling			
D. purif	ying			
l 1. If you distill	water, how long do yo	ou have to heat it?		
	it forms crystals.			
B. until	it boils.			
C. until	it forms a solid.			
D. until	it disappears.	* 1		
12. Which of the	e following substances	can be purified by	distilling?	
A. gasol		- •	<u> </u>	
B. water	•			
C. alcoh				
D. all of	the above.			
3. Which of the	e following salts is four	nd in sea water?		
A. sodiu	m chloride.			
D	sium nitrate.			
_	1.C. 1 .			
C. iron s				
C. iron s	the above.			

A. salt		
B. rust		
C. ox iron		
D. copper sulfate		
16. What color are most salts?		
A. white		
B. yellow		
C. red		
D. brown		
17. Where would be a good place to find water conta	aining a lot of iron?	
A. a hot spring	animg a for of from:	
B. a river		
C. a lake		
D. city water		
18. Water flowing through cracks in a mountain can	form:	
A. rivers		*
B. creeks		
C. hot springs		
D. pools		
19. Why can you get too much mineral water?		
A. if that's all you drink for 7 or more days.		
B. it builds up in your intestine.		
C. it can kill the lining of your intestine if it b	ouilds up.	
D. all of the above.	• · · · · · · · · · · · · · · · · · · ·	
20. Why is it all right to drink sea water for up to 3 d	ays?	
A. that much won't harm you.		
B. that much won't kill the lining of your inte	estine.	
C. it takes 7 days of drinking sea water to har	m you.	
D. all of the above.		
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14. What color are most iron salts?

15. The common name of iron oxide is:

A. white

B. yellow C. red

D. brown

Students's Name ANSWER KEY	-

Quiz Number

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(b)

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20.

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