

Year 8 Science Earth and Space Science Topic 2, Investigation 1

	Name:	To all the		
	Date:	Teacher:	Score: /17	
Backg	round Information:			
	• • •	nown as igneous rocks. When mag p together to form structures called		
	rpose of this investigation is to see of cooling.	e how the size of crystals in igneou	s rocks is affecte	d by
1. Write	e an aim for the investigation			
			(1	mark)
2. Iden	tify the variables in this investigation	on:		
Indepe	ndent variable			
Depend	dent variable			
Contro	lled variables			
			(4 ו	marks)
3. Write variable		n. It needs to mention the independ	lent and depende	∍nt
			 (2	marks)

- 4. Use the following method to compile a materials list:
 - 1. Using the pipette, pipette 1mL of heated saturated copper sulfate into one test tube and 1mL into another test tube in a test tube rack
 - 2. Label each test tube with the name of your group
 - 3. Place one test tube in a test tube rack and the other into an ice-filled beaker.
 - 4. Leave the test tubes overnight and observe the results.

Materials:		
		(3 marks)
Complete the investigation	and then continue with the following questions.	
5. Fill in the results table		
Results table:		
Cooling Conditions	Approximate average size of crystals (mm)	
Fast		
Slow		
		(3 marks)
3. List two ways that the accu	racy of this experiment be improved	
		(2 marks)
7. Write a suitable conclusion	for this investigation.	
		(2 marks)

End of Assessment