Amoeba Sisters Video Recap: Nature of Science

1. What is the scientific method? Is there just one universal scientific method? Why or why not?		
	Data Hypothesis Conclusion Analysis Procedure Problem	
Reflect on what was discussed in the video. How would you complete these general sentence stems regarding the nature of science ?	5. Why is it important to verify the credibility of a source when researching a topic?	
Note: It's important to remember that this video only mentions some components of the nature of science! The below sentence stems can contain more characteristics, which we encourage you to discuss and consider.		
2. Science has a major goal of:	BARNACLES INVADE! You won't BELIEVE what sailors did next!	
	6. What does it mean if a science paper is peer-reviewed and why is this significant?	
3. Science can lead to the development of:	and wity is this significant:	
4. It's important to know that science is:		
4. It's important to know that science is.		
	Scientific Paper	



Amoeba Sisters Video Recap: Nature of Science

7. Observations and inferences are important in science. How would you explain the difference between the two words?	8. Constants ("controlled variables") and a control are easily confused by students! How would you explain the difference between the two words?	9. Why is a control group generally very important in an experiment?
crickets outside her window chirped less Fun Fact: There are free "cricket chirp can didn't exist freely online when Pinky was Consider if data was collected consisting at different temperatures in her backyar 10. Which variable would be an indepen 11. Which variable would be a depender	in junior high. of the average number of cricket chirps d. dent variable?	Ider. Idon't hear crickets chirping as frequently on colder evenings as I do on warmer evenings CHIRP! Tup. Done.
	eally be plotted on the X-axis of a graph? _ 3 important constants (also known as "cor	
14. Brainstorm and write at <i>least</i> 3 poter data collection.	ntial challenges or important points to con	sider when conducting the described
Example: Repeated trials are not men	ntioned, and this would be important fo	r optimal data collection.
A)		
В)		
C)		

