

Is it a CLAIM?



A class was answering the following science question.

Question: Are soap and fat the same substance?

The teacher asked the class to answer the question using a *Scientific Explanation*. Below are some statements from their explanations.

- Which of the following statements are CLAIMS?
- What feedback would you give each student to make the statement a claim or to improve the claim?

Is it a CLAIM? Yes or No	STATEMENT	FEEDBACK
	Yes they are.	
	I think soap and fat are different substances.	
	Fat and soap are the same thing.	
	No.	
	Soap is different.	
	Fat is not the same thing.	
	Fat is yellowish but soap is white.	

What is your definition of a CLAIM? What do you notice about the statements that ARE claims? How are they different than the statements that are NOT claims?

What evidence do I need?

In your group, read each question to investigate and decide what could be measured or observed to provide evidence to help answer the question.

Question to Investigate	What could I measure or observe to provide the evidence to help answer the question?
Will the temperature of the water make a difference to how much salt dissolves?	
What happens when acid is added to different metals?	
Which type of sugar is best for pollen tube growth?	
Will the number of coils of wire make a difference to the strength of the electromagnet?	
Does hearing range decrease with age?	
Which is the best fuel to burn?	
What conditions do woodlice prefer?	
Does the number of layers of insulation affect how quickly the water cools down?	