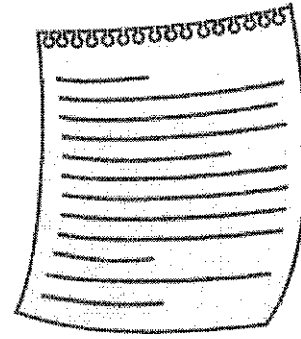


Is it a CLAIM?



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?

Is it Evidence?

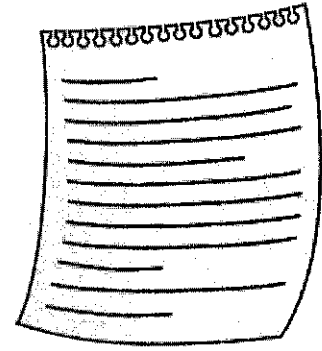


Which of the following are examples of EVIDENCE that you might use when making a Scientific Explanation?

- | | |
|---|--|
| <input type="checkbox"/> Personal opinions | <input type="checkbox"/> Something you saw in a movie |
| <input type="checkbox"/> Text from a science article | <input type="checkbox"/> An interview with an expert |
| <input type="checkbox"/> Background knowledge | <input type="checkbox"/> A hypothesis |
| <input type="checkbox"/> Personal experiences | <input type="checkbox"/> A chart or graph |
| <input type="checkbox"/> Data from a data table | <input type="checkbox"/> A photograph |
| <input type="checkbox"/> Observations that another student made | <input type="checkbox"/> A drawing |
| <input type="checkbox"/> Measurements | <input type="checkbox"/> An observation you wrote in a notebook |
| <input type="checkbox"/> A prediction | <input type="checkbox"/> A model |
| <input type="checkbox"/> Notes you took during class | <input type="checkbox"/> Results from an investigation you conducted |

Describe your rule for something to be considered EVIDENCE...

Is it a Scientific Explanation?



A group of students were talking about Scientific Explanations. They each had a different idea about the definition of a Scientific Explanation. Which student do you most agree with?

Katie: I think a scientific explanation is a summary that uses evidence from text.

Angel: I think a scientific explanation is a story about what you observed or did in an experiment.

Blake: I think a scientific explanation is a presentation, like a science fair project.

Jada: I think a scientific explanation is an answer to a question that has a claim, evidence, and reasoning.

Cori: I think a scientific explanation is when you write a procedure for how to conduct an investigation.

I agree with _____. Explain why you picked this idea and why you did not pick the others.
