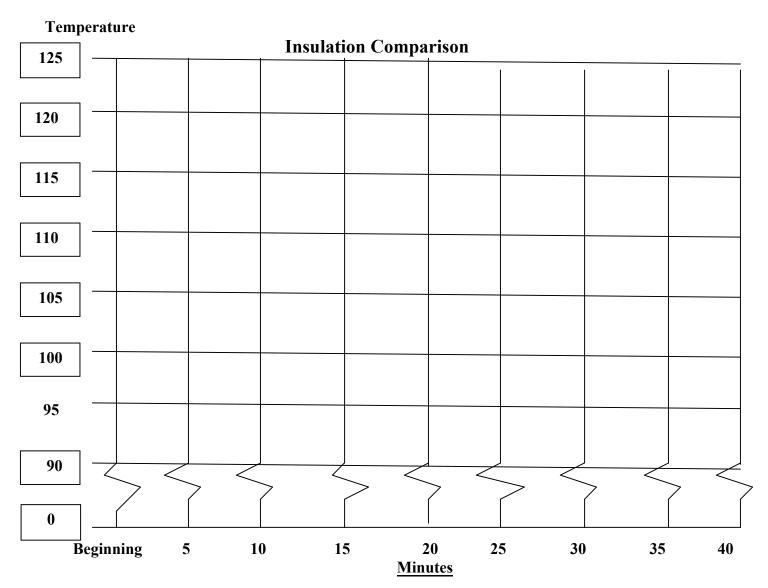
Which Insulation Works Best?

Each of you has two cups, a plastic cup and a Styrofoam cup. Each of you will get some hot water in your two cups. Write down the beginning temperature in the "beginning" row under your cups. Then every five minutes we will take the temperature of the water in the cups and write the temperature in that same column of your cup cover. Every five minute the temperature of the water in the cups could drop, but one cup temperature could drop faster. If the temperature is dropping quickly, that cup cover is a "poor" insulator. If the temperature is dropping slowly it is a "good" insulator. Let's see what happens to the temperatures as we do this experiment.

Minutes	Styrofoam	Control (Plastic)
Beginning		
5 minutes		
10 minutes		
15 minutes		
20 minutes		
25 minutes		
30 minutes		
35 minutes		
40 minutes		



Name	Teacher	School	
Does Insulating	Things Work?		
1. Do you see a	difference between the sl	opes of the two lines?	
	gentle slope mean in this	•	
3. What does a	steeper slope mean in this		
4. Compare (and	alyze) the two slopes. Ex	plain what happened.	
5. Explain why	this happened.		
6. What is your	conclusion?		