Group:	Date:
<u>1.3.4. E</u>	Existing Solutions Analysis
Part 1: Product Analysis	
	and needs, analyze an existing solution.
Existing Solution # _ :	
OVERALL SOLUTION: What does	this solution do?
COMPONENTS	
Structure	Function

^{*}Highlight the components that play important roles, and you are considering using in your design.

SOLUTION ANALYSIS

What are the strengths of this solution?	What are the weaknesses of this solution?

UNDERSTAND: Add to Requirements (R) or Research Notes (RN)

R or RN

Part 2: Product Dissection

Choose an Existing Solution to dissect to learn more about the product. View the video and series of pictures of the dissection on the website to understand how this product is designed.

Existing Solution	on # <u>:</u>
Sketch a diagra	am of the product's key insulating components:
KEY INSULATIN	IG COMPONENTS
Structure	Function

SOLUTION ANALYSIS

What are the strengths of this solution?	What are the weaknesses of this solution?

DESIGN ANALYSIS: What would you design differently?

#	Function	How would you redesign it?
1.		
2.		
3.		
4.		
5.		



^{*}Highlight the components that play important roles, and you are considering using in your design.

#	What structures in biology perform similar functions?	
1.		
2.		
3.		
4.		
5.		
	at ideas can you think of for improving this product using the biological structure identified?	res you
J		
UNDI	ERSTAND: Add to Requirements (R) or Research Notes (RN)	
How	does your analysis affect your understanding of the client's problem?	R or RN