Date:___



Project/Unit: Design a Noise Cancelling Device	Lesson: 5	
Conduct a brainstorm for the design problem below. Record	all ideas in the space provided.	
Ideate: How can the properties of different materials be used to minimize the effects of excessive noise on NIHL for local residents?		
Draw labeled pictures of your prototype. Be sure to draw dif	ferent perspectives (front, side, etc.)	
Prototype:		



Name:	Date	ate:	
Conduct fair tests on your prototype and record your observations below. Use the	checklist for each test.		
Test – Criteria and Constraints			
Attributes of model	Yes	No	
Model reduces noise by 20-30%?			
Model includes elements that transmit sound?			
Model includes elements that absorb sound?			
Model includes elements that reflect sound?			
Model is portable?			
Built only with materials provided?			
Final iteration completed on time?			
Includes 8 or more different materials? Model less than 2 ft. wide?		-	
Describe changes made based on Test #1:			
Describe changes made based on Test #2:			
Describe changes made based on additional tests below (attach sheets as r	necessary)		