<u>Geodesic Do</u>	<u>omes</u>	Name:			
Key Words: com	npression force	e, reinforcemen	t, tension		
Hypothesis:					
			masking tape		
Procedures:					
1. View the video	"Buckminster	Fuller"			
_	-		geodesic domes?		
			ing triangles		
	d of a straw. L	ink another clip	equare and a triang to to the first clip ar		
6. Test the two g diagram.	eometric shape	es by pressing	down as shown in	the	
7. Which object k	cept its shape t	he best?		<	

8. Explain why did this occurred?
9. Develop a strategy for making the square stronger by using one or two more straws. Describe your strategy.
10. Modify then test the square following your strategy.
11. Describe how did your strategy affected the strength of the square.
12. Explain how would you use straws and paper clips to create a geodesic dome?
13. Cut the remaining straws into thirds. Tip: Measure the length of a straw. Divide the length by 3. That will be the length of each segment.
14. Create a geodesic dome using the straws and paper clips. You may use small amounts of tape only as reinforcements.
15. Discuss the outcome of your dome (<i>positives and negatives</i>) and how you could improve your design.

tate Your Conclusions (tell whether your hypothesis held true, answer the problem, tell what you learned, and apply this to a real world uation)							