

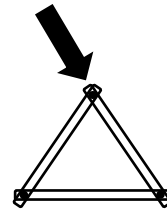
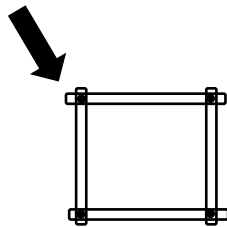
Name: _____ Date: _____ Class: _____

Post-Activity Quiz

1. Explain if and why the shapes below would either remain unchanged or collapse if you pressed down at the pin joints in the arrow directions. If the shape collapses, how might you strengthen it?

Square: _____

Triangle: _____



2. Determine the missing information in the table below:

Object	Mass (g)	Breaking Load (g)	Strength-to-Weight Ratio
1	5		12
2	2	60	
3		76	19

3. Explain how you used the engineering design process to come up with your bridge design.
4. Write a short paragraph to explain what you identified as the main cause of failure for your bridge.
5. Based on your experience designing and building tongue depressor bridges, list three things you could have done differently to improve your design. Include a sketch showing these improvements.