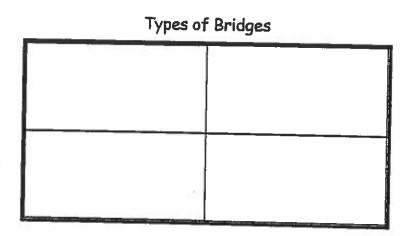
4.4			
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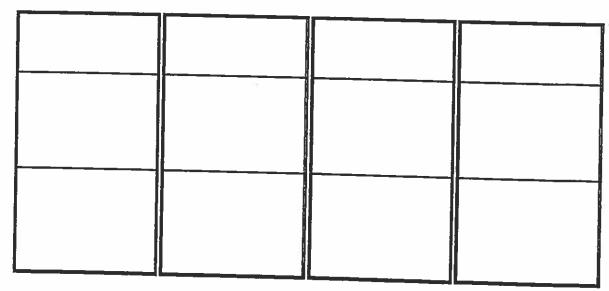
Webquest- Part 1

Using the website given in class, research the answers to the following questions:

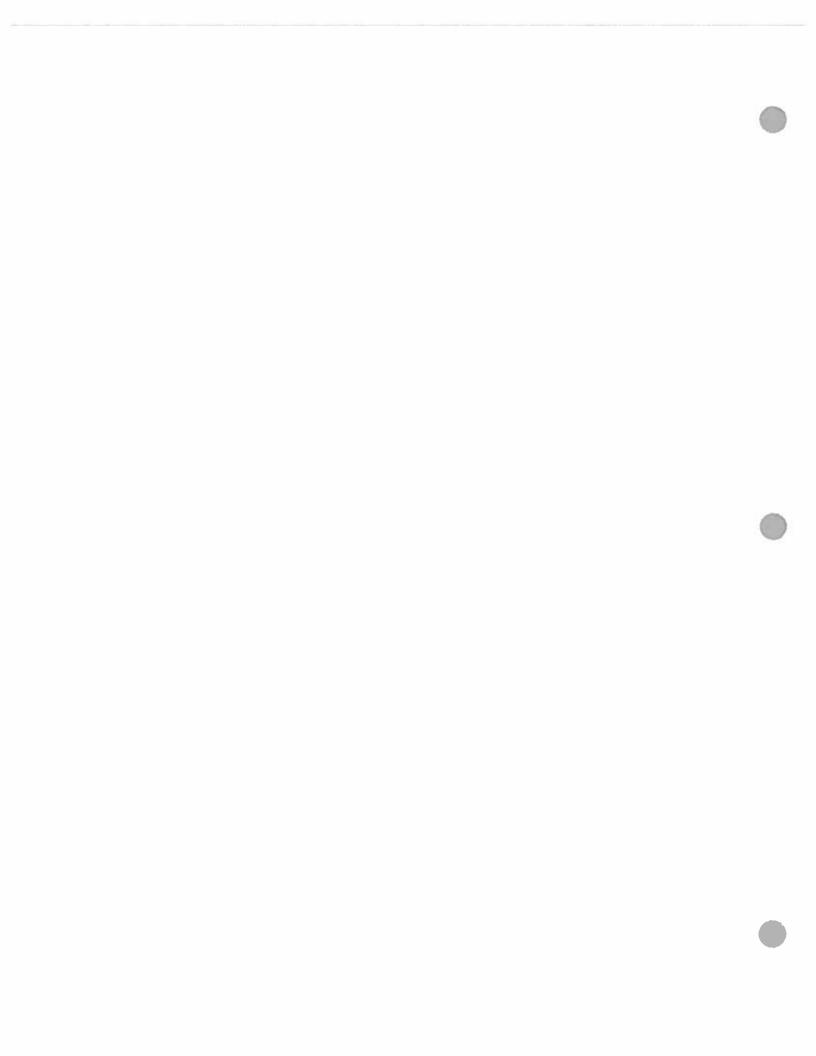
List the four types of Bridges mentioned on the "Building Big" homepage.



Describe two characteristics of each of the types of bridges mentioned above.



Click on the "Bridge Challenge" and take the test.



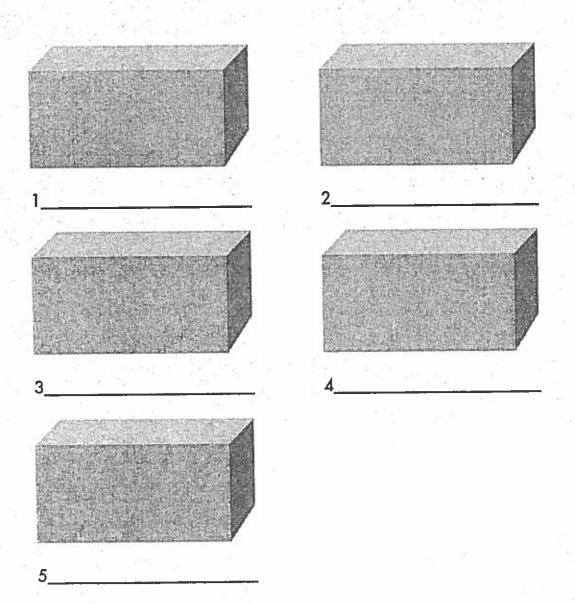
Unit III Structure

Build'em & Bust'em

Webquest - Part 2

Using the website given in class find your way to the Forces Lab and research and answers to the following questions:

In the spaces below list the 5 FORCES at work in different types of bridges. Above each draw the direction, using arrows, that each force takes when it is in action.



Using the website given in class find your way to the Forces Lab and research and answers to the following questions:

In the spaces below list 7 loads or external forces that will affect a bridge's strength. Above 6 of these forces draw additional support where needed to overcome the weakness.

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Unit III Structure

Build'em & Bust'em

Webquest - Part 3

Using the website given in class find your way to the Forces Lab and research and answers to the following questions:

List the 8 types of materials that might be used in building bridges

Give 1 positive, 1 negative, and 1 application of each material.

1.	material	2.	material
	positive		positive
9.5	negative		negative
	application	3.00	application
3.	material	4.	material
130	positive		positive
4-4-1	negative		negative
	application		application
			in si e ji wa n
5.	material	6.	material
	positive	90	positive
	negative		negative
	application		application
	E CONTRACTOR	59	
7.	material	8.	material
	positive		positive
- 1	negative		negative
	application		application

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2.		A11 351			
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Which shape can hold	the most wei	ght?	1000 100	121	_ 8
					4.
Which shape is the wea	rkest2				

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