Date

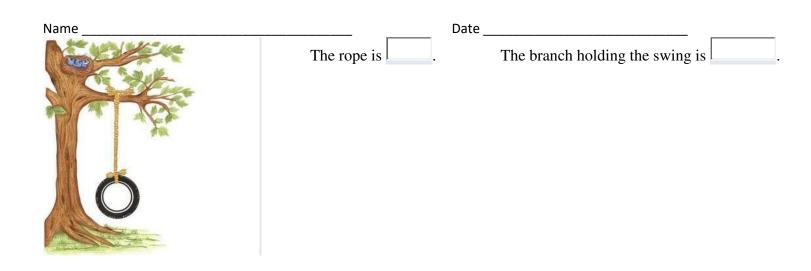
## WHAT MAKES IT STRONG?

Structures need to be strong and stable to last a long time. A strong structure would not break or change its shape. In other words, the object can withstand any force. The shape of a structure is important. Shapes of strong structures make use of arches, rectangles, and triangles. Some structures last longer because of the material used to make the structure.

Questions

1. Determine the strength and stability of these structures. Could it break or fall?

Would it break or fall?	Write: stable or not stable	Write: strong or not strong
	This tent is	This tent is
	These pyramids are	These pyramids are
Π	This stool is	The legs on this stool is
A E man	This teepee is	The material used to frame the teepee is



2. Consider the shape of the structure below. What is the **best reason** that this structure is strong and stable?



- This structure is tall.
- This structure is made of steel.
- This structure has a solid and heavy triangular base.
- The wind cannot move this structure.
- The structure was built by brilliant people.
- 3. Select a material and its advantage.

## SORT ELEMENTS

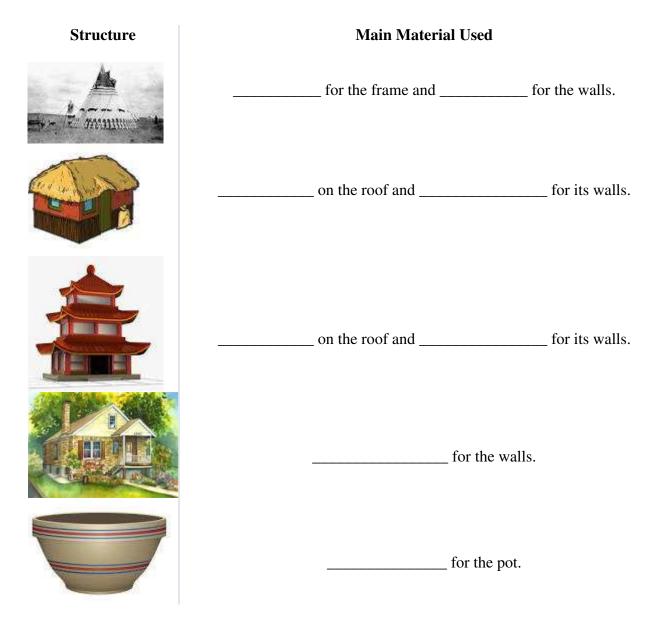
Metal	Glass	Plastic	Wood				
Strong and tough; easy to shape and shiny.							
It is transpa	rent and hard.						
It is light weight, a good insulator and waterproof.							
It is strong and durable; it can be shaped in almost any form.							

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 4. What type of material are they made of? Match the structure to the main material used to build it.

List: bamboo, bricks, buffalo skin, clay, mud, straw, wood



5. What type of material are they made of? Match the structure to the main material used to build it.

List: clay, metals, steel, straw, vine, wood

Structure	This bridge is made of and	
	This adobe house is made of	
	This lock is made of	
	The railway tracks are made of	
	This abacus is made of	

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