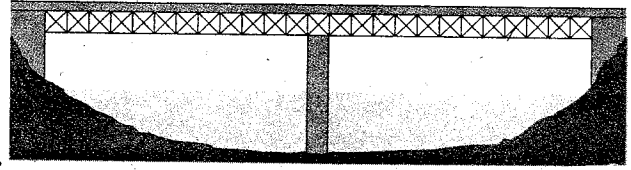
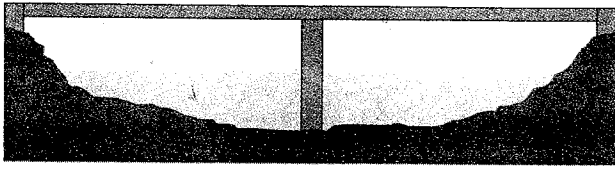


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Teacher:

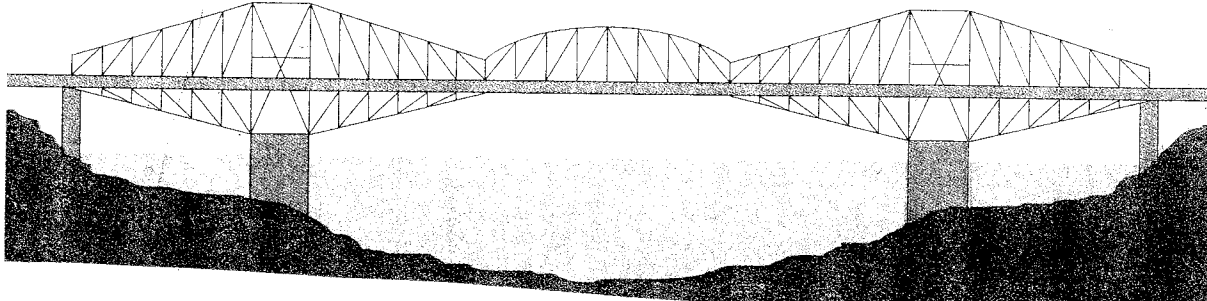
Date:  
Group #:

### Types of Bridges

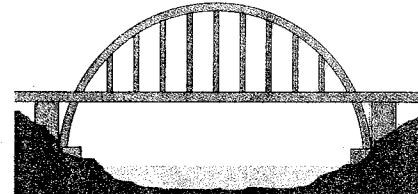
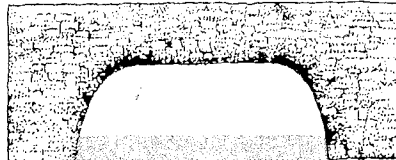
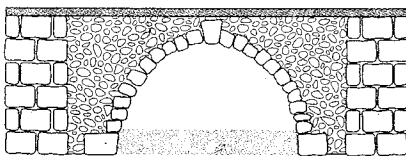
**Beam Bridges** – The simplest kind of bridges. They are made of a horizontal beam that is supported at both ends, like a log across a gully that is supported by the rocks on either side of the gully.



**Cantilever Bridges** – These bridges are like beam bridges, but instead of having the horizontal span supported by the ground, the span is supported by vertical towers built on either side of the obstacle to be crossed.



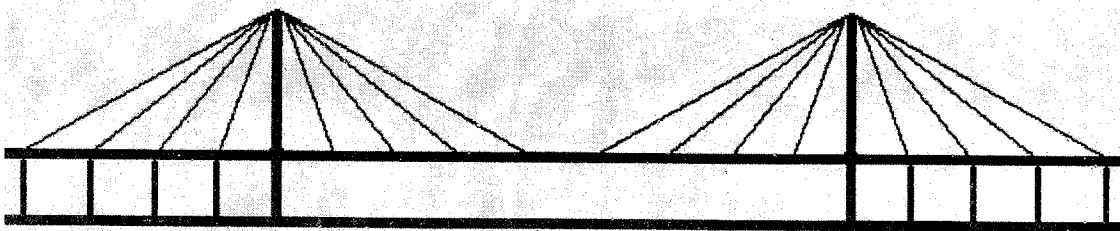
**Arch Bridges** – These bridges are very stable. The weight of the bridge is supported equally by the entire arch.



**Suspension Bridges** – These bridges have a central span (usually the middle part of the bridge over the water) that is supported with cable that are draped over two towers. The cables are buried in large anchorages on the land.

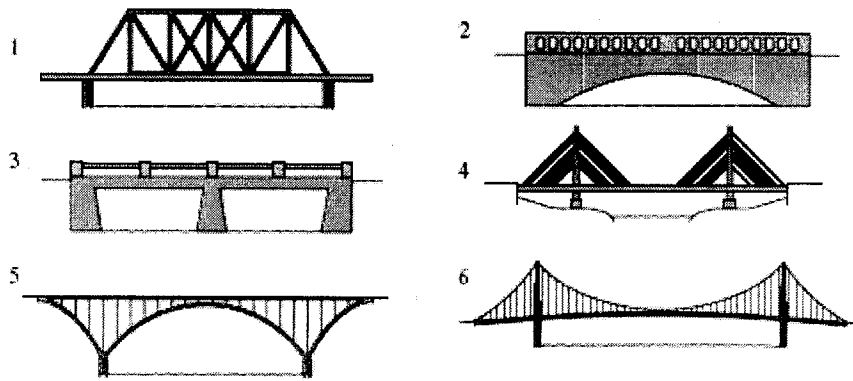


**Cable-Stayed** – These bridges are like suspension bridges, but the cables attach directly to the towers, not to anchorages.



**Question 18:** Technology/Engineering

The figure below shows examples of bridges numbered 1 through 6.



- a. Identify **one** example from the figure that represents a type of arch bridge.
- b. Explain how an arch bridge is different from a beam bridge.
- c. Identify **one** example from the figure that represents a type of beam bridge.
- d. Explain how a beam bridge is different from a suspension bridge.

Handwritten student response area consisting of multiple horizontal lines for writing.