Perspectives on the Evolution of Structures Quiz

50 minutes: All sections count for 1/3 of the total quiz score.
1. Identify the following structures

Name: _________________________
Designer: ______________________
Location: ______________________
Date: __________________________
Form: _________________________
Material: _______________________

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Material: _______________________
2a. Short Responses

<table>
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<th>Social:</th>
<th>Scientific:</th>
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Using the three S’s compare and contrast the above two structures with respect to their qualifications as structural art. Short sentences / phrases and short points are all that is required.

Social:

Scientific:

Symbolic:
2b. Short Responses

Using the three S’s compare and contrast the above two structures with respect to their qualifications as structural art. Short sentences / phrases and short points are all that is required.

Social:

Scientific:

Symbolic:
The four suspension bridges shown above are listed in chronological order. Each was the longest spanning in the world when built. In a well organized essay, describe the evolution of form in these bridges. You should, as always, focus your discussion around the social, scientific and symbolic meaning of the structures, and how they satisfy the ideals of economy, efficiency, and elegance. Identify specific details of the structure in your discussion, paying particular attention to the overall proportions of the different structural components (tower height, span, width), the form and material of the towers, and the method used to achieve the necessary stiffness.