Engineering Bridge Video Questions & Answers

1. How far above the water does the bridge have to be to allow for boat traffic? (200 feet)
2. how long is the does the bridge have to be? (1500 feet)
3. What is ruled out due to heavy boat traffic? (low bridge)
4. What is the distinct disadvantage of an arch bridge? (the height clearance is dramatically lower at the ends of the arch)
5. \_\_\_\_\_\_\_\_\_\_Bridges are typically the longest types of bridges. (suspension)
6. \_\_\_\_\_\_\_\_\_\_\_\_\_ have moo with suspension bridges. (trains)
7. In this case, a suspension bridge would be too\_\_\_\_\_\_\_. (flexible)
8. What is the name of the bridge the meets all the criteria? (cable stayed bridge)
9. what is one other advantage of the bridge mentioned in the previous question? (economic due to its lack of steel in the large cable that is present in a suspension bridge)
10. the bridge is connecting \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ .(Denmark and Sweden)