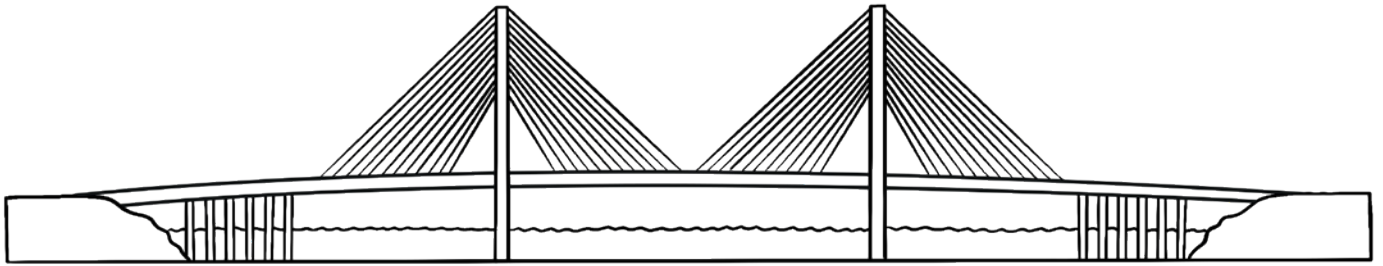
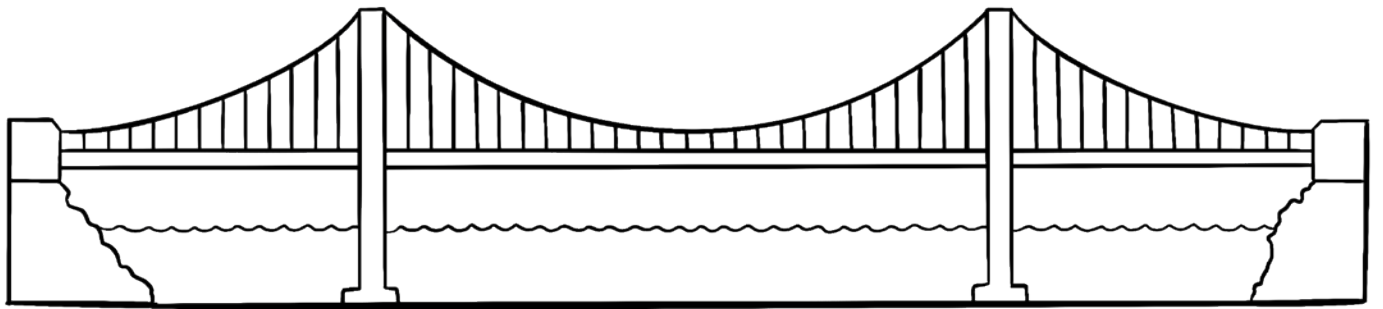




Comparing Cable-stayed and Suspension bridges



Cable-stayed bridge



Suspension bridge

How many differences can you spot between the two bridges?





Cable-stayed bridge examples



Photo by mfjordan
via Wikimedia



Photo by chilangoco
via Wikimedia



Photo by Adam J.W.C
via Wikimedia



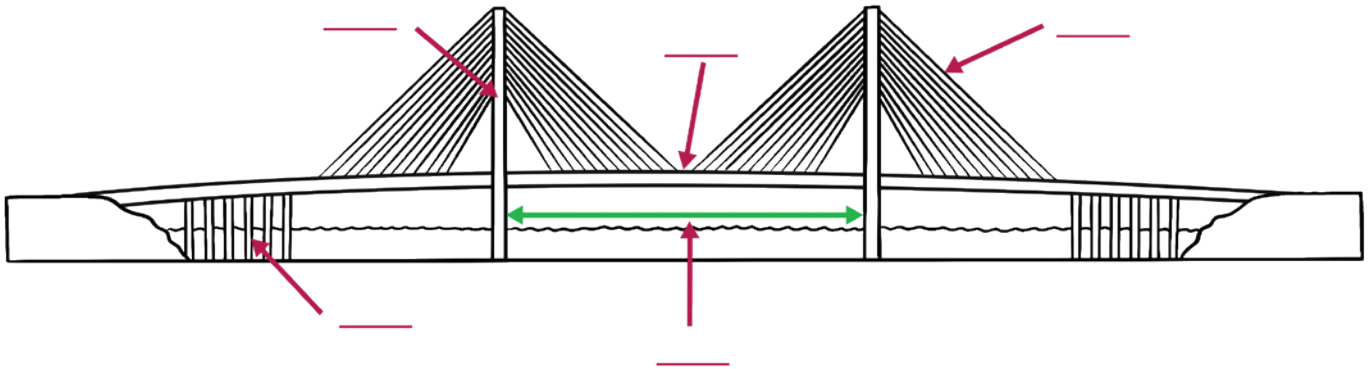
Photo courtesy of the Boston Airport
Express via Wikimedia





Cable-stayed bridge terminology

Label the parts of the bridge using the list of words below



Pylon

Cables

Pier

Deck

Span



Can you match up the words with the parts of the bridge? You'll see that your bridge vocabulary is growing again!

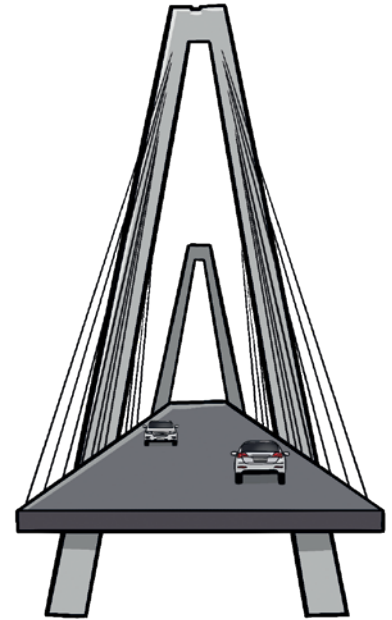


Describing cable-stayed bridges 1 – pylons

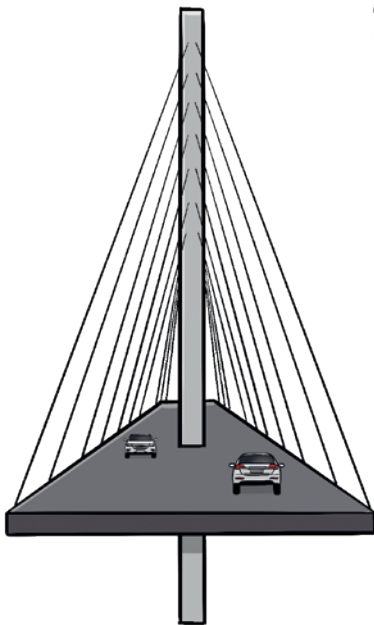


H Shaped

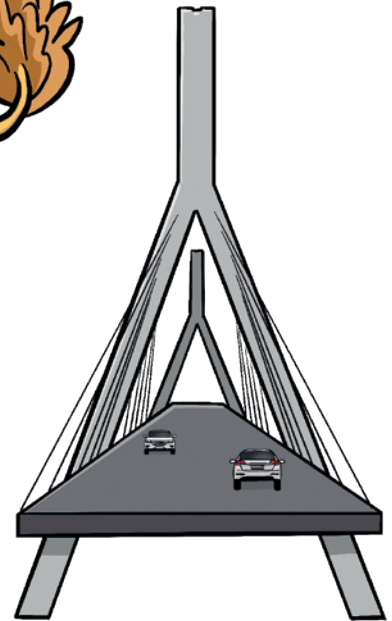
There are two features that describe a Cable-stayed bridge: first, you describe the shape of its pylons.



A Shaped



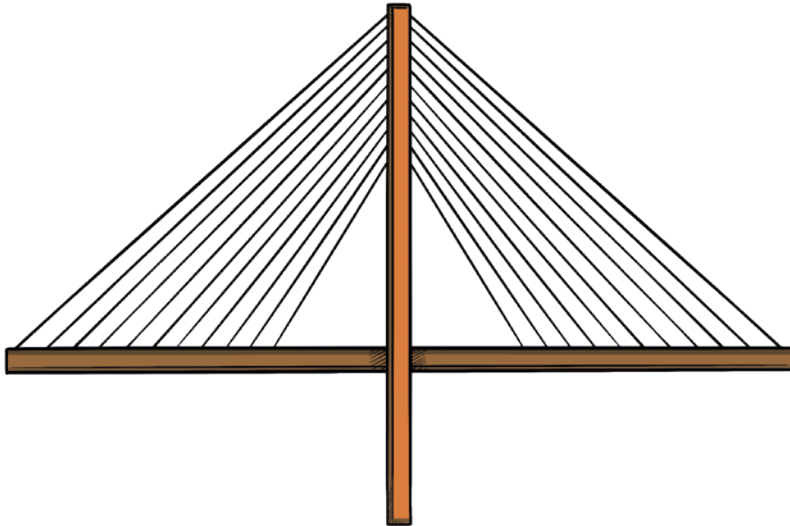
Column



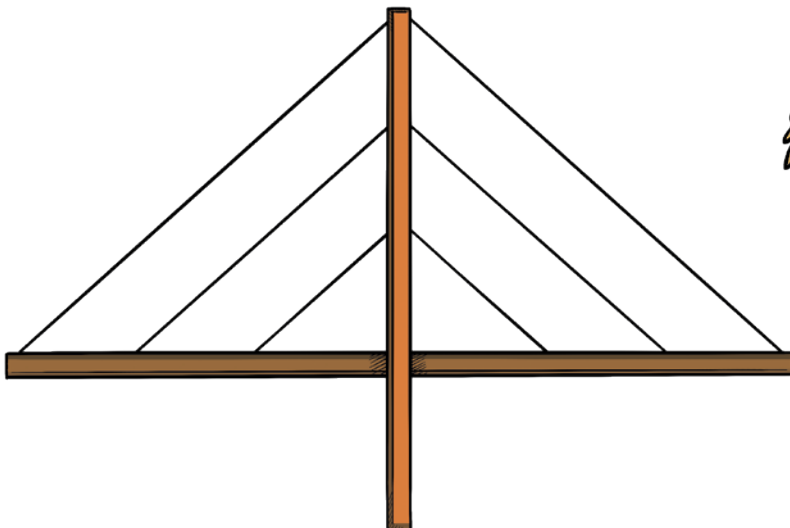
Inverse Y Shaped



Describing cable-stayed bridges 2 – cables



Fan



Harp

There are two main features that describe a cable-stayed bridge: second, you describe the cables!





Name the cable-stayed bridge





Name the cable-stayed bridge – answers



Stonecutters Bridge

Column fan



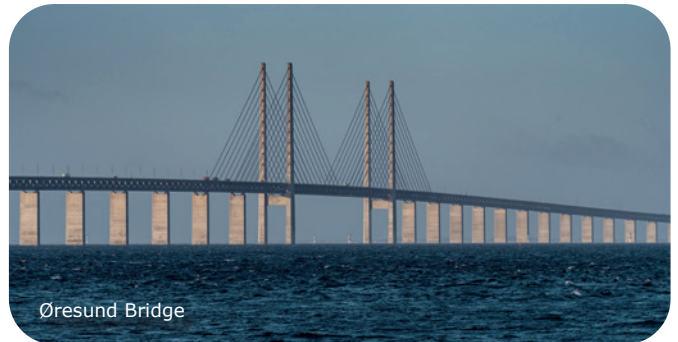
Pont de Normandie

Inverted Y fan



Jingyue Yangtze River Bridge

H shaped fan



Øresund Bridge

Column harp



Helgeland Bridge

A shaped fan



Queen Elizabeth II Bridge

Column



Can Tho Bridge

Inverted Y fan