**Complete the notes below.**

**Choose NO MORE THAN TWO WORDS from the passage for each answer.**

**Write your answers in boxes 14-16 on your answer sheet.**

Engineers used various techniques while building the bridge to reduce wobble:

● they attached \_\_\_14\_\_\_ to heavy blocks on the shoreline

● they fastened main cables to the middle of the \_\_\_15\_\_\_

● \_\_\_16\_\_\_ were placed between the tallest parts of the structure and the deck.

**Complete the table below.**

**Choose ONE WORD ONLY from the passage for each answer.**

**Write your answers in boxes 17-19 on your answer sheet.**

|  |  |
| --- | --- |
| **Mode of Vibration** | **Description** |
| \_\_\_17\_\_\_ | moves repeatedly to the left and right |
| \_\_\_18\_\_\_ | up and down motion; like a wave |
| torsional | resembles motions of a \_\_\_19\_\_\_ |

**Complete the summary below.**

**Choose NO MORE THAN TWO WORDS from the passage for each answer.**

**Write your answers in boxes 20-24 on your answer sheet.**

\_\_\_20\_\_\_ is a series of actions leading to torsional oscillation. Various components move back and forth from the force of the \_\_\_21\_\_\_. Eventually the structure absorbs more \_\_\_22\_\_\_ than it is able to disperse and the \_\_\_23\_\_\_ increase in intensity until the structure collapses under the \_\_\_24\_\_\_.

**Choose TWO letters AE.**

**Write your answers in boxes 25 and 26 on your answer sheet.**

**Which TWO of the following were on the bridge at the time of the collapse?**

A. filming equipment

B. a small dog

C. Leonard Coatsworth's daughter

D. a vehicle

E. Professor Farquharson