

# The Types of Truss Bridges

While there are many different designs for truss bridges, the pictures below show the basic structure of the three categories of truss bridges.

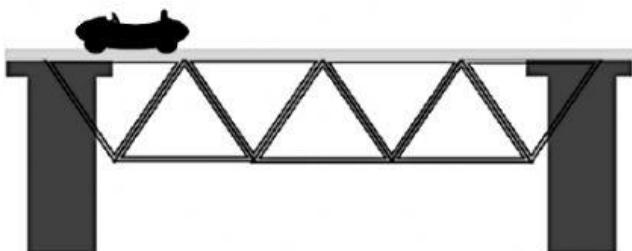
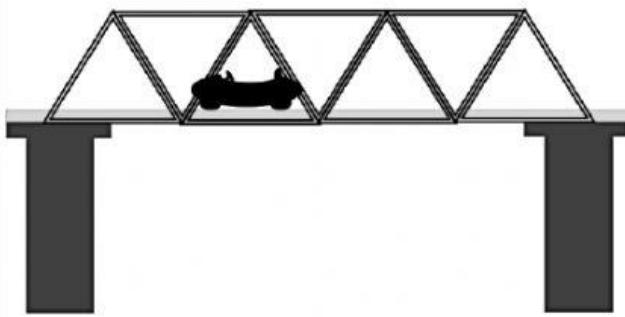
## Through Truss Bridge-

Trusses are positioned above the deck or roadway.

Find an example of an existing through truss.

Bridge Name: \_\_\_\_\_

Bridge Location: \_\_\_\_\_



## Deck Truss Bridge-

Trusses are positioned below the deck or roadway.

Find an example of an existing deck truss.

Bridge Name: \_\_\_\_\_

Bridge Location: \_\_\_\_\_

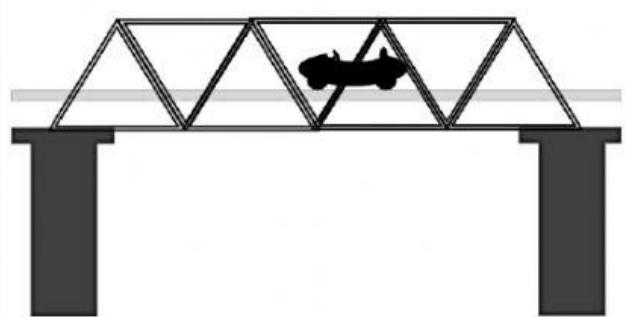
## Half-Through Truss Bridge

Trusses are positioned both above and below the deck or roadway. Half-through truss is also known as pony truss bridge.

Find an example of an existing half-through truss.

Bridge Name: \_\_\_\_\_

Bridge Location: \_\_\_\_\_



### Fun Fact

William Howe patented the Howe Truss and his nephew, Elias Howe, patented the sewing machine.

# The Truss Bridge

Complete each sentence with a word that makes the sentence true.

Most of the earliest bridges were \_\_\_\_\_ bridges, but the \_\_\_\_\_ bridge is the earliest "modern" bridge.

Truss bridges are similar to beam bridges, except the truss bridge has \_\_\_\_\_.

Truss bridges are categorized by the location of the trusses compared to the \_\_\_\_\_.

The three categories of truss bridges are \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.

## Vocabulary Practice:

From the passage, **braces** most likely means:

metal worn on teeth     supports     cables     iron

From the passage, **initially** most likely means:

now     unfortunately     later     at first

From the passage, **locomotive** most likely means:

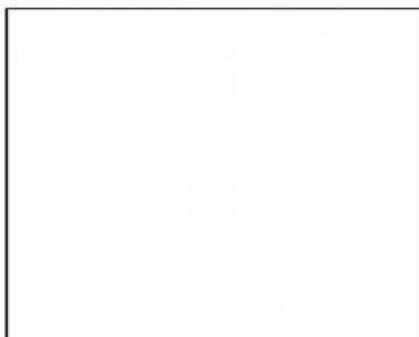
movement     car     train     ride

From the passage, **member** most likely means:

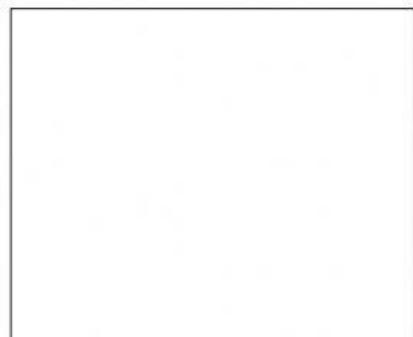
person in a club     working part     design     bridge

From the passage, **categorized** most likely means:

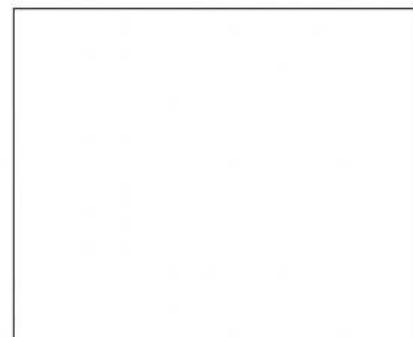
grouped by likenesses     put in order     Ordered by size     Organized alphabetically



Draw a through truss bridge



Draw a deck truss bridge



Draw a pony truss bridge