

# Bridges

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1. Define the following terms:
  - a. Bridge
  - b. Aqueduct
  - c. Falsework
  - d. Compression force
  - e. Tension force
  - f. Bascule bridge
  - g. Covered bridge
2. Describe these six main types of bridge design and give two examples of each:
  - a. Arch bridge
  - b. Beam bridge
  - c. Cable-stayed bridge
  - d. Cantilever bridge
  - e. Suspension bridge
  - f. Truss bridge
3. Name the bridge design that can span the longest distance.
4. Do two of the following activities:
  - a. Make a list of at least eight notable bridges that you have crossed.
  - b. Name two bridges that you have crossed and tell what design they are.
  - c. Watch a video about bridges.
  - d. Make a video or Powerpoint presentation about the bridge(s) you have visited.
  - e. Build a bridge on a piece of cardboard using materials such as popsicle sticks, toothpicks, yarn, thread, and glue.
5. Name each of the following bridge designs:
6. Recite John 3:16, then tell how this verse describes Jesus' role as a bridge between heaven and earth.

## Skill Level

New in 2012