

Bridges



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