

Name: _____

Per: _____

Engineering – The Challenges of Construction

Go to the link below:

http://www.pbs.org/wgbh/buildingbig/abt_chall.html

There are five (5) structures. The bridge, Dome, Skyscraper, Dam and Tunnel.

Clicking the Challenge structure will prompt a description and choice. Selecting the right choice, they will give you a green check, selecting the wrong will give a X and explanation. By reading and selecting various options you will be able to identify the correct solution to each engineering challenge. Below, write in the correct choice for each challenge prompt.

Bridge: Location 1. Multi-lane, _____, _____
 2. Footbridge, _____, _____
 3. Highway, _____, _____
 4. Railroad, _____, _____

Dome: 1. Baseball Stadium, _____, _____
 2. Greenhouse, _____, _____
 3. Capitol Building, _____, _____

Skyscraper: 1. Fire in Chicago, _____, _____
 2. Sinking Cathedral in New York, _____, _____
 3. Collapse in Los Angeles, _____, _____

Dam: 1. Arch dam, _____
 2. Embankment gold mine, _____
 3. Gravity dam, _____
 4. Buttress on scenic river, _____

Tunnel: 1. Through Mountain, _____
 2. Beneath City, _____
 3. Under River, _____