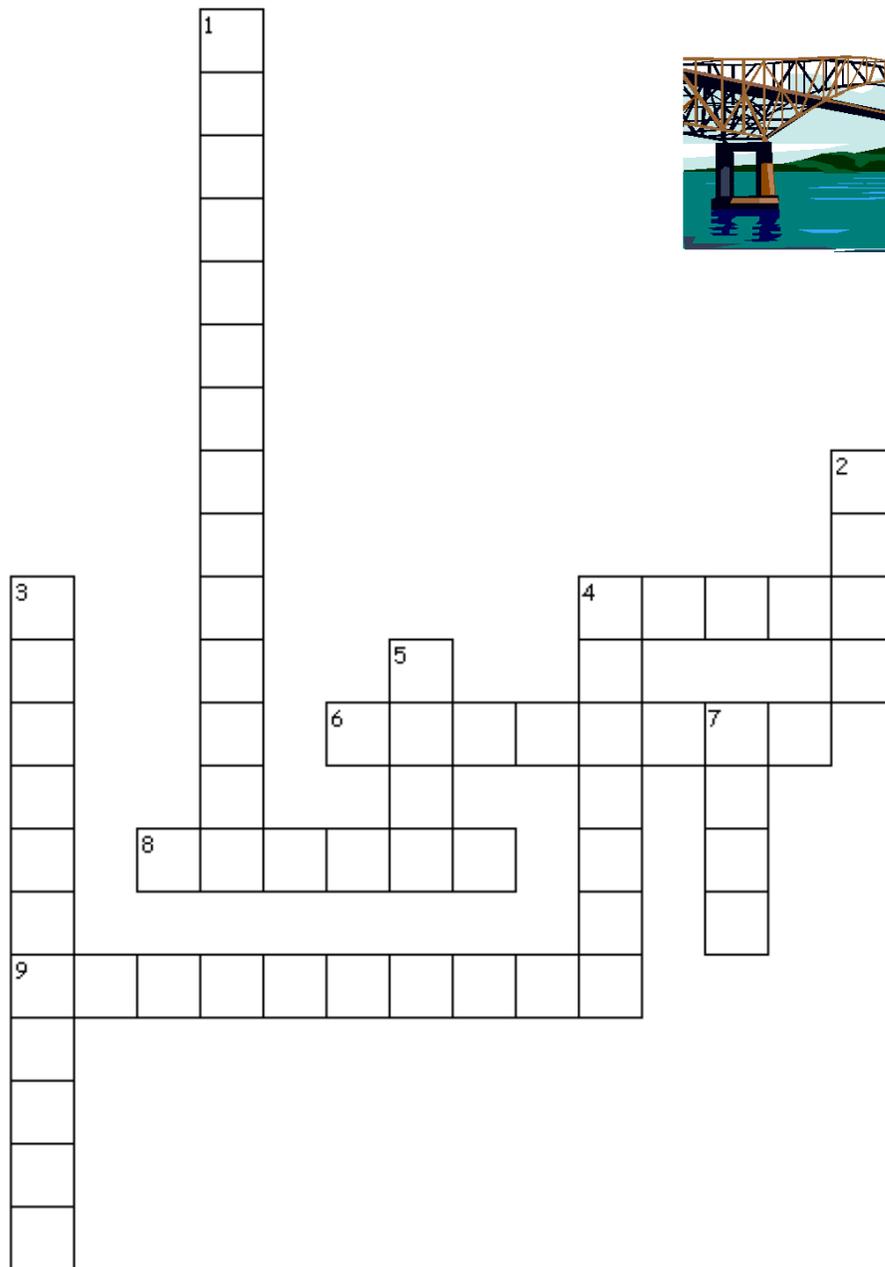


Bridges



Across

- A structural frame in a bridge or A-line roof.
- Shape often used in bridge design to help distribute forces in different directions.
- Bridges must be able to support loads and the _____ of the bridge itself.
- Type of bridge that uses steel cables as part of its structure.

Down

- Bridges are a vital part of our transportation _____.
- In addition to supporting load requirements, you must also consider this in your bridge design.
- When forces acting on a bridge member are pushing in toward one another.
- When forces acting on a bridge member are pulling away from each other.
- Type of bridge that utilizes rounded curves in its design.
- The force the bridge must support that includes the weight of people or vehicles that use the bridge.