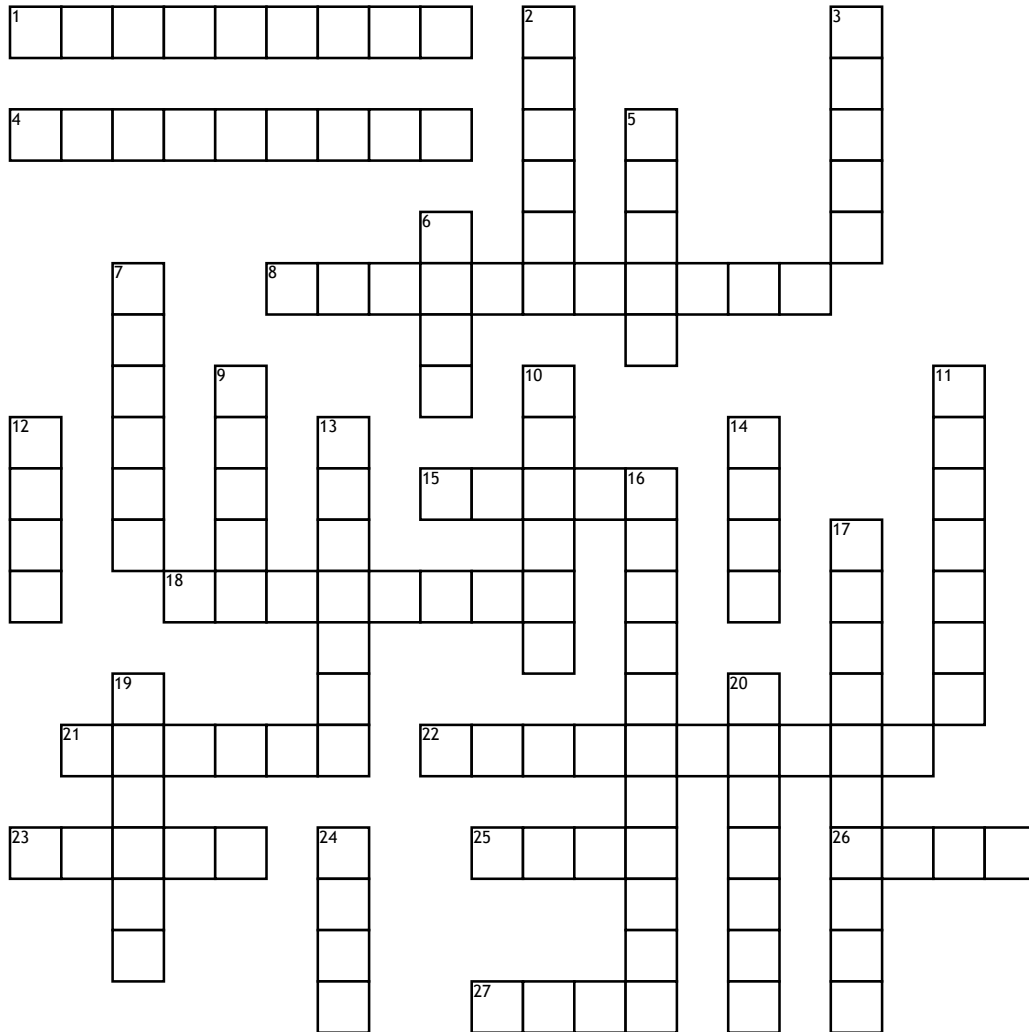


Bridge Crossword



Across

- 1. The regular vibration of an object as it responds to an external force.
- 4. The outermost end supports on a bridge, which carry the load from the deck
- 8. A pressing force that squeezes a material together
- 15. Any action that tends to maintain or alter the position of a structure
- 18. The center or highest wedge of arch stone.
- 21. The deformation caused by an external force applied to any piece of material.
- 22. A projecting structure supported only at one end, like a diving board
- 23. A force causing parts of a material to slide past one another in opposite directions

- 25. A structure which is used to transmit the loads from a bridge to the foundation.
 - 26. A rope used to support a vertical pole or mast.
 - 27. A rigid, usually horizontal, structural element
- Down**
- 2. To bend under compression
 - 3. A bridge member carrying compression.
 - 5. A rigid frame composed of short, straight pieces joined to form a series of triangles or other stable shapes
 - 6. The distance a bridge extends between two supports
 - 7. An angler piece to give strength and stiffness to the members of a structure.
 - 9. A structural element formed from steel wire bound in strands; the suspending element in a bridge

- 10. A large beam, usually steel or concrete
- 11. The spreading course at the base of a foundation
- 12. Supported roadway on a bridge
- 13. An action that twists a material
- 14. Weight distribution throughout a structure
- 16. A state where the object is moving at constant speed in a straight-line path
- 17. A bridge in which the roadway deck is suspended from cables that pass over two towers
- 19. An internal force that resists the change in shape and size of a body subjected to external forces.
- 20. A stretching force that pulls on a material
- 24. A curved structure that converts its own weight into an outward force along its sides and base

Word Bank

Resonance	Strain	Keystone	Span	Pier	Suspension	Torsion
Arch	Truss	Shear	Stay	Girder	Buckle	Gusset
Beam	Abutments	Cantilever	Compression	Equilibrium	Cable	Strut
Force	Load	Deck	Tension	Footing	Stress	