

Lesson: What makes bridges so strong?

arch bridge	a bridge with a curved arch in the center
balanced forces	two equal forces that push or pull in opposite directions so that the object doesn't move
design	to make a plan for creating or doing something
engineer	a person who uses science to come up with solutions to problems
force	a push or a pull
model	a pretend version of something that scientists use when the real thing is too big, small, or complicated to work with
pillar bridge	a bridge that is supported by thick poles
pull	to move an object toward you
push	to move an object away from you
suspension bridge	a bridge where the weight is pulled up by ropes hung from tall poles
truss bridge	a bridge with triangular supports
unbalanced forces	two forces that push and pull in opposite directions where one force is greater than the other so that the object moves