Vocabulary

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
unbalanced forces	two forces that push and pull in opposite directions where one force is greater than the other so that the object moves