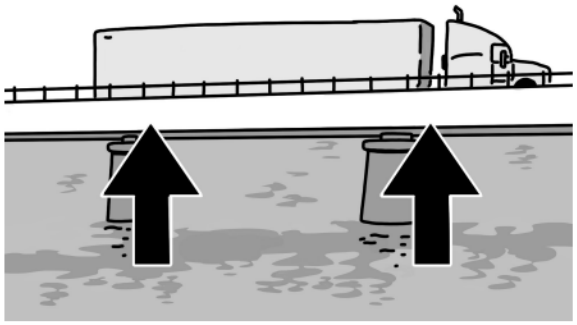
Vocabulary

Lesson: What makes bridges so strong?

mystery science

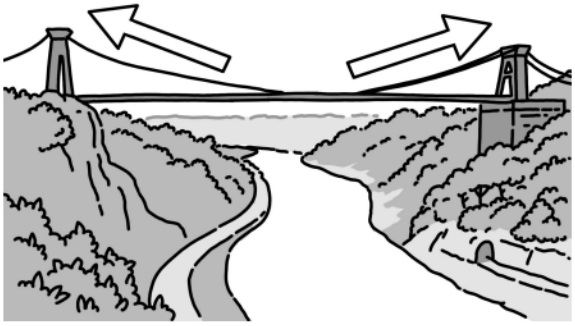
push



mystery science

to move an object away from you

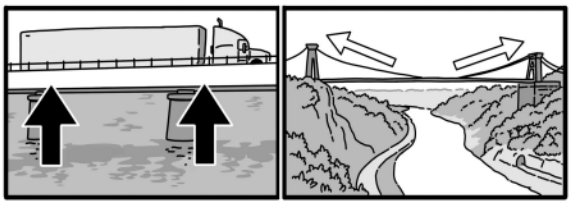
pull



mystery science

to move an object toward you

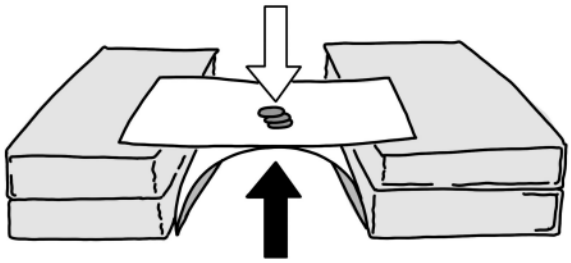
force



mystery science

a push or a pull

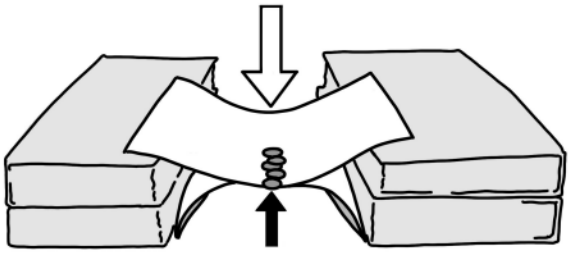
balanced forces



mystery science

two equal forces that push or pull in opposite directions so that the object doesn't move

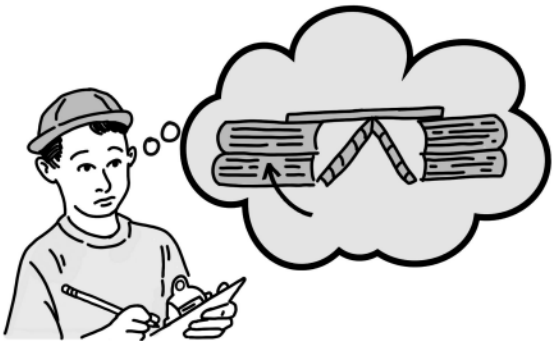
unbalanced forces



mystery science

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

design



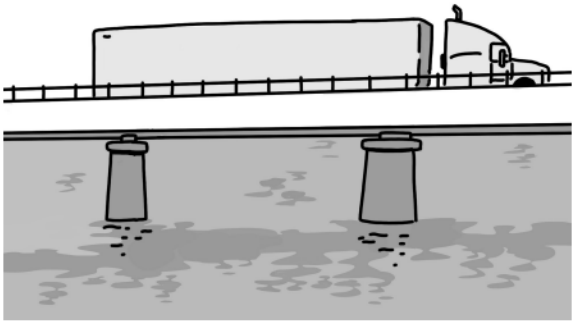
to make a plan for creating or doing something

engineer



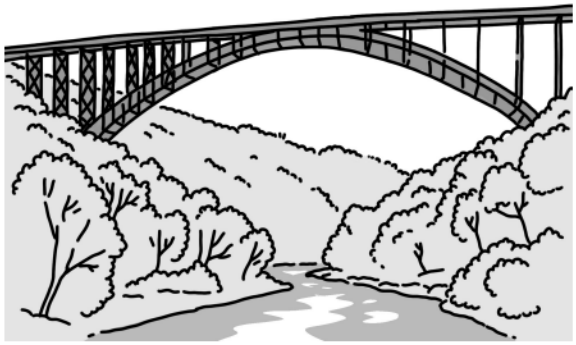
a person who uses science to come up with solutions to problems

pillar bridge



a bridge that is held up by very thick supports

arch bridge



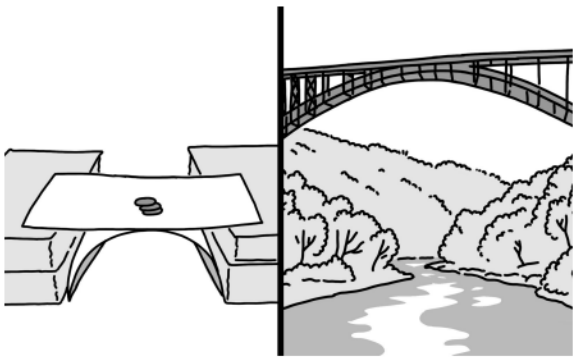
a bridge that is held up by curved supports

suspension bridge



a bridge that is held up by thick ropes hung from tall supports

model



a pretend version of something that scientists use when the real thing is too big, small, or complicated to work with