Name	Per Date
	Build a Better Wall
Obser	e how the wall fails when its base is shaken rapidly back and forth, simulating the motion of a
buildi	g hit by S waves during an earthquake. Sharply push the base a few centimeters horizontally.
1)	What part of the wall fails first?
Imagi	e how the horizontal force you applied to the base travels to the upper parts of the wall.
2)	What caused the first structural failure?
Add s	uctural elements to your wall to provide paths for horizontal forces, or loads, to travel through.
3)	Why must additional structural elements be added to a wall before it can carry horizontal forces
4)	How many additional structural elements did you need to add?
5)	Diagram the wall you built including the structural elements: