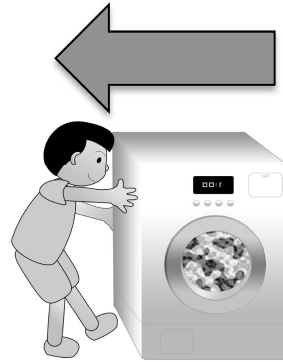
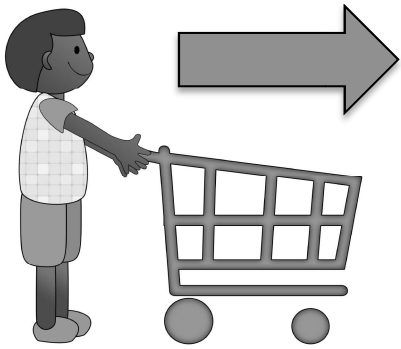


FORCE

A **force** is a push or pull that can change the way something moves. A push or pull can change an object's position or put it in motion. You can push to open doors, or pull to closer them. You can push a cart across the floor, or pull a wagon behind you. You can even pull to pick things up. When you throw a ball, you pull your hand back, and then push the ball to put it in motion. Heavy things need more force to put them in motion. A bowling ball is pretty heavy. You need to use a lot of force to put it in motion. It is a lot easier to move lighter things.



Sort the items by whether you would push it or pull it.

elevator button

flower

stroller

wagon

lawnmower

suitcase

PUSH

PULL

PUSH	PULL

APPLYING FORCES

Not all objects require the same amount of force in order to move it. More force is required to move a heavier object, move an object faster, or move it a farther distance.

Classify the following actions into two different groups: those that require a large force and those that require a small forces. Write "small" or "large" next to each action.

	pushing the button on an elevator
	brushing your teeth
	shoveling snow
	bending a paperclip
	kicking a ball
	carrying a suitcase
	mowing the lawn
	opening a door
	pushing in a chair
	riding a bicycle