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Force and Motion

"A Push or a Pull"

You guys know anything about force?

Nothing in the world	d moves with	out force,
A rock won't just fly	through the	air, of course.
It takes a	or a	to move it,
That's	, and I bet	you knew it.
Like, you see this so	ccer ball, you	think it will move?
Not until you apply	some force m	ny dude.
So run up to it, and	give it a big ki	ick,
It went flying far, tha	at's	, no trick.
And if you gave it le	ss force, and	kicked it softly,
It wouldn't have gon	e as far, you g	got me?
And if the ball weigh	ned 50 pound	s,
It would have been	really hard to	kick around.
It takes less force to	move things	that are light,
That's why it's so ea	sy to pick up	a mic.
And it's way harder	to pick up a b	orick,
That's it, now let me	e drop the ho	ok real quick.
You need force to m	nake an object	t move,
It won't move witho	out force, that	s true.
A push or a pull will	move it arou	nd,

So you know it takes force to make something move, It also takes force to make it stop, that's true.

But _____ will slow it down.

So when you kick a ball to your friend Lou,
And he kicks it back, he applied force too.
But then, why does the ball stop on its own?
When you kick it, why doesn't it keep going?
It slows down because of friction,
Friction is a force of
When the ball rolls and touches the grass,
Then those two
And friction from the grass on the ground
Is what slows the ball down.
But what if it were ice, instead of grass?
Would the ball roll less or roll more, you ask?
Ice is smoother, so there's less friction, kid,
That's less force on the ball, are you getting it?
The ball is going to go farther,
Like surfers when they surf on water.
Water and ice are slippery and smooth,
They have less friction, so it's easy to move.
You need force to make an object move,
It won't move without force, that's true.
A push or a pull will move it around.

But friction will slow it down.