

Is it
Mass
or
Weight

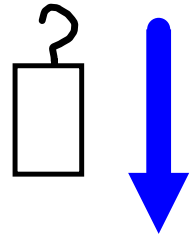
**that makes things hard to speed up,
slow down or turn?**

1 kg weighs 10 N

of stuff



pull of gravity



It's

Mass

The Stuff


MASS (the stuff)

Makes things tough to speed up, slow down or turn.

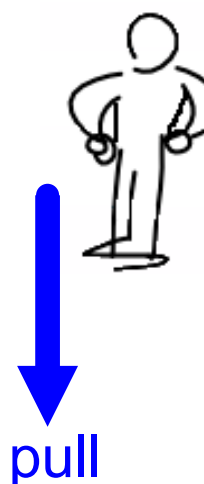
(Which is why things can hurt when they hit you.)

Weight makes things hard to lift and hold in place, and causes them to fall when you drop them.

Mass	Weight
amount of matter	pull of gravity on the matter
the stuff	the heaviness of the stuff
kilograms	Newtons
The same wherever you are	Depends on where you are (Earth, Moon, zero-g, etc.)
Makes things tough to speed up, slow down or turn (and hurt).	Makes things fall, tough to lift, and tough to hold in place.



Stuff



pull