Type of Force	Agent	Direction
Applied	Object or person	Any direction
Gravitational / Weight	Earth, Moon, massive objects	"Downward," toward the center of the Earth, Moon or other massive object
Normal / Perpendicular	Surface of object supporting another	Perpendicular to surface of interaction
Friction	Imperfections in surface as one object moves across another	Opposite direction of motion
Air Resistance	Air	Opposite direction of motion
Tension	String, rope, cable, wire	Directed along the string, rope, cable, wire
Spring	Compressed or stretched spring	Direction of compression or stretch of spring

Mass: Amount of matter that is contained by the object – how much stuff there is
-- Mass is the same no matter where the object is located

Weight: Force of gravity action upon that object – how much the Earth pulls upon that *stuff*
-- Weight varies according to location