

Weight

People often confuse the terms weight and mass, but they actually have very different meanings. Weight is a force, while mass is a measure of an object's response to a force. Weight is the force of gravity acting on an object. On Earth, your weight is due to the force of gravity, which pulls you towards the centre of the Earth. In space, far from any massive objects such as stars and planets, you are weightless - but you still have mass. A force is needed to change your motion.

The units of weight are those of force - newtons.