Gravity, Mass and Weight

mass	mass	gravity	arrows
matter	size	direction	six
ten	attraction	distance	

Gravity is the force of _____ between any two objects that have _____. The strength of the attractive force depends on two things the _____ of the objects and the _____ they are from each other.

The mass of the Earth is six times the mass of the moon, because of this the Earth exerts _____ times the gravitational pull of the moon. Weight is a measure of _____, whereas mass is a measure of the amount of _____ in an object. If an object weighs sixty N on Earth, it would weigh _____ N on the moon.

_____ are used to represent forces. The arrows tells us two things about the force, it tells us the _____ of the force and the _____ of the force.

Drag the Force Arrows to where they belong.