



Mass

Mass is a measure of the amount of matter in an object. The more mass an object has, the stronger its gravitational pull. The Earth has much more mass than the Moon, so it has much stronger gravity. That's why the Moon rotates around the Earth and not the other way around! Weight is similar to mass because it measures how much matter a substance is made of. However, weight is a measure of the amount of force being exerted on an object by gravity. Since gravity is different on different planets, weight is not fixed.