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Gravity

Gravity is the force of attraction between two objects. Gravity depends on two factors: the mass of the objects and the distance between them. The Earth is the most massive object near you so you are pulled towards the Earth. The sun is much more massive than the Earth but you don't fly off into space towards it because its distance is so great. Match each gravity related term in the word box to its description.

	Newton gravity	acceleration inertia	Einstein weight	tides friction	altitude mass				
1		The amour the same.	nt of matter in an ol	oject, this characterist	ic of an object stays				
2		This measu	This measure describes the amount of gravitational force of an object.						
3	This is the force of attraction between objects.								
4		The moon is kept in orbit by two forces. Earth's gravity pulls it toward the planet and this force pulls the Moon in a straight line.							
5		The force scientist.	of gravity was first	described mathemati	cally by this English				
6		object hel		e its speed as it falls to of Earth is released, it	toward Earth. If an t will fall and pick up				
			These phenomenon is caused by the gravitational attraction of the moon and sun on the Earths oceans.						
8			A more accurate theory involving the force of gravity was later formulated by this German-born scientist.						
9		force is th	ne reason that a fla	same speed toward E t sheet of paper and and at the same time	a crumpled piece of				
10				ravitational pull decr by from the center of	eases slightly because the planet.				

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