

Jan 23-7:29 PM





Jan 24-6:36 PM



Note reveal



Jan 23-7:30 PM





Jan 23-7:44 PM







Jan 23-8:02 PM

Newton's First Law also means that a body in motion will not change its velocity without the addition of an unbalanced force.

Before Newton proposed this, the assumption was that the natural tendency was for everything to come to rest!

Why do you think people thought this?????







this physics book, sitting on a table, is stationery because the force of the books weight pushing down on the table is equal to the force of the table pushing up on the book.

Gravity is pulling on the book: this is the book's weight and is equal to the mass of the book times the acceleration due to gravity. We write this as:

Jan 23-10:42 PM









Jan 24-7:11 PM





In other words, the force in one direction is not balanced by the force in the opposite direction!

so, the ladder on the truck would also stop, if an unbalanced force held it on the truck Your food would stay in the tray if you held it down.







Jan 24-5:10 PM









Dec 19-7:56 AM





Dec 19-7:57 AM





Feb 10-1:08 PM







- 1. What is the acceleration of the cart?
- 2. If the cart starts from rest, how far does it move in 2.50s?