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Defects of Newton's third law of motion and a new law

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Newton's third law of motion states that when we apply action force on the body, it gives equal magnitude of reaction force. Thus, it is said that "In every action there is equal and opposite reaction. But this is a one sided law. It is not applicable in all the cases when the force is exerted between two bodies. There are more incidents in this universe which fails Newton's third law of motion. Friction, nature of body, impulse etc. are the reasons for unequal action and reaction. Mathematically, according to the conservation of linear momentum, $m_1u_1 + m_2u_2 = m_1v_1 + m_2v_2$. The sum of linear momentum before collision and sum of linear momentum after collision is zero or equal to become the equal action and reaction. But if the sum of linear momentum before collision and sum of linear momentum after collision is not zero or if the values are not equal to each other, in this case we can say that action and reaction force are not equal. My new law states that "When any two matters come in contact, the action and reaction of the matter depend on its structure and condition." It implies that the action and reaction can be equal or unequal also. There are many mathematical and practical experiments which prove that there are many defects. So, this law should be changed and should be wide the concept in a new law. Otherwise it is sure that it will bring more confusion among teacher and students in the world.

Biography

Rajkumar Thapa has completed B.Sc. at the age of 23 from Butwal Multiple Campus, Nepal. He is a science teacher of Holy Angel's English Boarding School. He has been teaching science since 5 years and very interested in research projects. Besides teaching he is doing research about the alternatives of curing diseases without medicines.

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