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for the exam physics archive the physics archive contains legacy physics content and is not being updated with new content exercises and mastery mechanics will be removed from the physics archive in July 2024 for our most up to date mastery enabled courses check out high school physics and ap physics ok so boiling physics down to only two things is admittedly a bit of a gross simplification and glosses over some of the finer points of what physicists do and how they do it but trying to describe a complex universe with simple and useful clarifying laws is what physics is all about this course is designed to provide an introduction to algebra based physics topics covered include velocity acceleration force work energy momentum circular motion gravitation torque rotational motion and fluids physics i lecture lab course outcomes define inertial frames of reference differentiate contact and noncontact forces distinguish mass and weight identify action reaction pairs draw free body diagrams apply Newton's 1st law to obtain quantitative and qualitative conclusions about the contact and noncontact forces acting on a body in equilibrium 1 lecture

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ok so boiling physics down to only two things is admittedly a bit of a gross simplification and glosses over some of the finer points of what physicists do and how they do it but trying to describe a complex universe with simple and useful clarifying laws is what physics is all about

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