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mechanics branch of physics concerned with the motion of bodies under the action of forces including the special case in which a body remains at rest historically mechanics was among the first of the exact sciences to be developed

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mechanics from ancient greek μηχανική mēkhaniké lit of machines is the area of physics concerned with the relationships between force matter and motion among physical objects forces applied to objects result in displacements which are changes of an object's position relative to its environment

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about as rocket soars into space elsewhere a spinning ice skater pulls her arms closer to speed up meanwhile a lady lifts her car using a machine but with her own strength these and many other seemingly disconnected events are all governed by the same underlying principle

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mechanics science of the action of forces on material bodies it forms a central part of all physical science and engineering beginning with newton s laws of motion in the 17th century the theory has since been modified and expanded by the theories of quantum mechanics and relativity

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applied mechanics is the branch of science concerned with the motion of any substance that can be experienced or perceived by humans without the help of instruments in short when mechanics concepts surpass being theoretical and are applied and executed general mechanics becomes applied mechanics

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mechanics is the branch of physics dealing with the study of motion when subjected to forces or displacements and the subsequent effects of the bodies on their environment there are two sub disciplines classical fields and quantum fields

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mechanics of materials a journal in the field of solid mechanics and materials aims to disseminate research work in the broad spectrum of engineering

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us mə'kæn ɪks mechanics noun u operation add to word list the particular way something works or happens the goals are the same but the mechanics for achieving the goals differ greatly mechanics noun u physical forces physics the study of the effect of physical forces on objects and their movement

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