

# Rock Geomechanics

@wikipedia

Branch of [mechanics](#) concerned with the response of rock and rock masses to the [forces](#) or [displacements](#)

It forms a separate [Subsurface E&P Discipline](#) but in fact its studies are shared between two different workflows: [Petroleum Geology](#) and [Petrophysics](#)

Petroleum Geology uses [Rock Geomechanics](#) to model the rock stress and fractures

Petrophysics uses [Rock Geomechanics](#) to model the [Geomechanical Stress Modelling](#)

## See Also

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[Petroleum Industry](#) / [Upstream](#) / [Subsurface E&P Disciplines](#)

[[Geomechanical Rock Properties](#)] [[Geomechanical Stress Modelling](#)]

[ [Geostatic Pressure](#) ] [ [Effective Stress](#) ] [ [Pore Pressure](#) ]

[ [Basic Petroleum Rock and Fluid Properties Handbook](#) ]