

# Fluid Dynamics

[@wikipedia](#)

Branch of [Physics](#) related to measuring, studying and modelling [Fluid Flow](#)

It splits in Aerodynamics studying the [motion](#) of [gases](#) and Hydrodynamics studying the [motion](#) of [liquids](#).

Both terms are misnomers as they cover wider range of [gases](#) and [liquids](#) apart from air and [water](#).

[Petroleum Engineering](#) differentiates the following types of [Fluid Dynamics](#):

|                                                 |                                     |                                              |
|-------------------------------------------------|-------------------------------------|----------------------------------------------|
| <a href="#">Subsurface Reservoir Fluid Flow</a> | <a href="#">Wellbore Fluid Flow</a> | <a href="#">Surface Pipelines Fluid Flow</a> |
|-------------------------------------------------|-------------------------------------|----------------------------------------------|

## See also

---

[Physics](#) / [Mechanics](#) / [Continuum mechanics](#) / [Fluid Mechanics](#)

[ [Fluid Statics](#) ]