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Question 1

Ans Aerodynamic is the study of how gases interact with moving bodies, because the gas that we encounter most in air aerodynamic is primarily concerned with the forces of drag and lift which are caused by air passing over and around solid bodies

In other word, Aerodynamics is the part of the science which under deals air and gases in motion and their mechanical effect

Nomenclature of aerodynamics

V = Improving wind velocity

V_T = wind velocity in plane of rotation due to blade turning

V_R = Resultant wind energy

F_L = Lift force.

F_D = Drag forces perpendicular.

F_R = Resultant force on blade

F_T = Component of F_R producing torque.

F_{th} thrust forces

