1 Primitive Equations: 5 unknowns, 5 equations u 3 spatial coordinates (X, Y, P) hydrostatic pressure 3 spatial coordinates (X, Y, P) hydrostatic pressure (weight of air above) (wass-9) "
""" $\dot{y} = \Delta \dot{y} = V,$ $\dot{y} = \Delta \dot{y} = V,$ > T which appears in thickness (Degration) poor cousin (ing eq.

=95 (F=mg) Momentuly inns du - fr - DI + Fx $\frac{\partial V}{\partial t} = -fu - \frac{\partial \Phi}{\partial y} + F_y$ $0 = \frac{dw}{dt} = \left(9 - \frac{1}{p} \frac{\partial P}{\partial z}\right) \Rightarrow \frac{\text{Force}}{\text{Balance}}$ need a Tequation!
(First Law of Themo) Poor Cousin (but really ting): Mass continuity.
Once was a prognostic eg for density When P (Mass-related hydrostatic pressure) is the coordinate. exact not 9 const-density appox!