

Level Three Aviation Review

- The tendency of an aircraft in flight to remain in straight, level, upright flight and to return to this attitude, if displaced, without corrective action by the pilot is called STABILITY.
- Longitudinal stability is influenced by centre of gravity
- Directional stability is about the vertical axis.
- The troposphere is the lower layer in the atmosphere
- Nitrogen makes up 78% of the atmosphere
- The Stratosphere is where the ozone is located
- Cumulus and stratus are two types of clouds classification
- Isobars are lines of equal atmospheric pressure.
- Wind is defined as horizontal movement of air
- Relative humidity is defined as the ratio of the actual amount of water present in the air compared to the amount that the same volume of air could hold
- Static stability – return to initial tendency to return
- Dynamic stability – overall tendency to return
- Convection as a lifting agent: the Sun warming the earth, or cool air moving over a warm surface
- Unstable air – good visibility, Cumulus Clouds, Showery, Gusty wind, Turbulence