

## Atmospheric Physics: Reversible Study Guide

Click any black box to reveal the value. Click the text again to re-hide it.

### The Poisson Equation:

The potential temperature is calculated as:

$$\theta = T \left( \frac{p_0}{p} \right)^{\frac{\gamma}{\gamma - 1}}$$

### Thermodynamic Constants:

- Dry air gas constant  $R_d$ :
- Specific heat at constant pressure  $c_p$ :
- Calculated ratio  $\kappa$ :

### Hydrostatic Balance:

The pressure change with height is given by:

$$\frac{dp}{dz} = -\rho g$$