

# Zeroth Law

**Zeroth Law** of Thermodynamics, which states that **'two systems in thermal equilibrium with a third system separately are in thermal equilibrium with each other'**

The **Zeroth Law** clearly suggests that when two systems A and B, are in thermal equilibrium, there must be a physical quantity that has the same value for both. This thermodynamic variable whose value is **equal** for two systems in thermal equilibrium is called **temperature** (T )

We have arrived at the concept of temperature formally via the Zeroth Law