

# Thermal Physics Topic Tree



The topic tree for **Thermal Physics** based on the contents of the textbook includes the following sections:

## 1. Temperature

- Absolute scale (Kelvin scale) of temperature
- Thermal equilibrium

## 2. Thermal Energy

- Characteristic features of heat energy transfer
- Other units of heat energy

## 3. Effect of Heat Energy

- Expansion of substances
- Experiments to measure real and apparent expansion of liquids

## 4. Fundamental Laws of Gases

- Boyle's Law
- Charles's Law
- Avogadro's Law

## 5. Gases

- Real gases
- Ideal gases
- Ideal gas equation

This topic tree captures the primary sections and subtopics covered within the **Thermal Physics** content.