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# Permbledhje: Tremujori - 2

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## 9 Fizika Termike

### 9.1 Izoproceset

#### 9.1.1 Procesi Izotermik

$$\frac{P_1}{P_2} = \frac{V_2}{V_1}$$

#### 9.1.2 Izobarik

$$\frac{V_1}{V_2} = \frac{T_1}{T_2}$$

#### 9.1.3 Izohorik

$$\frac{P_1}{T_1} = \frac{P_2}{T_2}$$

## 9.2 Energjia Kinetike

$$\epsilon_k = \frac{3}{2} \cdot k_B \cdot T$$

## 9.3 Energjia e Brendshme $U$

$$U = \begin{cases} \frac{3}{2} \cdot R \cdot T \cdot n, & 1 \text{ atom} \\ \frac{5}{2} \cdot R \cdot T \cdot n, & 2 \text{ atome} \\ 3 \cdot R \cdot T \cdot n, & 3+ \text{ atome} \end{cases}$$

$$\begin{cases} \frac{3}{2} \cdot R \cdot T \cdot n, & 1 \\ \text{atom} \\ \frac{5}{2} \cdot R \cdot T \cdot n, & 2 \\ \text{atome} \\ 3 \cdot R \cdot T \cdot n, & 3+ \\ \text{atome} \end{cases}$$