

1.1.2. 熱和內能 (Heat and Internal Energy)

熱是兩個物體因溫度差而引致的能量轉移 (Heat as the Energy Transferred Resulting from the Temperature Difference Between Two Objects)

- 我哋平日講嘅“熱”字多數係用嚟做形容詞。但喺物理入面，熱係一個名詞。
- 如果兩個物體的溫度有差別，能量便會由較熱的物體傳至較冷的物體。這個由於溫度差而轉移的能量便是“熱”。(英文版：Heat is the energy transferred resulting from the temperature difference between 2 objects.)

內能是貯存於體系內的能量 (Internal Energy as the Energy Stored in a System)

- 既然“熱”能夠喺物體之間傳遞，咁好自然我哋會接受到“物體係能夠貯存能量”嘅。
- 依個“貯存喺一個體系內嘅能量”就係“內能”。
- 內能係兩部份嘅總和：
 - 體系內分子作無規運動的動能
 - 體系內分子與分子之間的勢能