

Physics 1114 - General Physics I

Quiz #23 - 2012.07.19

Solutions

1. State the first law of thermodynamics.

The first law of thermodynamics states that the change in internal energy of a closed system is equal to the amount of energy (heat) added to the system, minus the amount of work performed by the system.

2. What does it mean for a system to be in thermodynamic equilibrium?

The system must be at thermal and mechanical equilibrium.