

Physics 1114 - General Physics I

Quiz #21 - 2012.07.17

Solutions

1. Why is it possible for water to be in both liquid and solid form at 0°C ?

Energy is required to transform water from one phase to another (*heat of fusion*). During this process, water will be in both solid and liquid states at 0°C .

2. State the three mechanisms of heat transfer.

The three mechanisms of heat transfer are conduction, convection and radiation.