

## **Text 2:**

“Using a Thermometer”

Many thermometers are thin glass tubes filled with a liquid. Mercury and alcohol are often used in thermometers because they remain in liquid form over a large temperature range. Thermometers can measure temperature because of a property called thermal expansion. Thermal expansion is the increase in volume of a substance because of an increase in temperature. As a substance's temperature increases, its particles move faster and spread out. So, there is more space between them, and the substance expands. Mercury and alcohol expand by constant amounts for a given change in temperature.