

**Answer on Question #40411, Physics, Molecular Physics |
Thermodynamics**

Question:

Tin melts at 232 under standard atmospheric pressure. Express this temperature in kelvin

Answer:

Zero on the Celsius scale ($0\text{ }^{\circ}\text{C}$) is equivalent to 273.15 K , with a temperature difference of 1 deg C equivalent to a difference of 1 K , therefore:

$$T = t + 273.15$$

where T is temperature in Kelvin, t is temperature in Celsius

$$T = 232 + 273.15 \cong 505\text{ K}$$

Answer: 505 K