

Name: _____

T2S2

Converting between Celsius and Kelvin

Convert the following temperatures as indicated.

Example: Convert 60 °C to K.

$$\begin{aligned} K &= C + 273.15 \\ &= 60 + 273.15 = 333.15 \text{ K} \end{aligned}$$

Example: Convert 351 K to °C.

$$\begin{aligned} C &= K - 273.15 \\ &= 351 - 273.15 = 77.85 \text{ °C} \end{aligned}$$

1) _____ K = 119 °C 2) -79 °C = _____ K

3) _____ K = 183 °C

5) -2 °C = _____ °C

7) 333 K = _____ K

9) _____ K = 103 °C

11) Nancy melts the chocolate at a temperature of _____ K. Convert the melting temperature to _____ °C.

12) The Viking Lander recorded the highest surface temperature of planet Mars as 20 °C. Express this measure in Kelvin.

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