

Name : _____

Converting from Celsius to Kelvin

Convert the temperatures from Celsius to Kelvin.

Example: Convert 21 °C to K.

$$K = C + 273.15$$

$$= 21 + 273.15 = 294.15 \text{ K}$$

1) 35 °C = _____ K 2) 90 °C = _____ K

3) 154 °C = _____ K

5) 27 °C = _____ K

7) 68 °C = _____ K

9) -13 °C = _____ K

11) 76 °C = _____ K 12) 32 °C = _____ K

13) The temperature is -14 °C in Pocono Mountains. What is the temperature in Kelvin scale?

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Converting from Celsius to Kelvin

Convert the temperatures from Celsius to Kelvin.

Example: Convert 21 °C to K.

$$K = C + 273.15$$

$$= 21 + 273.15 = 294.15 \text{ K}$$

1) 35 °C = 308.15 K 2) 90 °C = 363.15 K

3) 154 °C = 4 = 188.15 K

5) 27 °C = 3 = 314.15 K

7) 68 °C = 3 = 282.15 K

9) -13 °C = 2 = 216.15 K

11) 76 °C = 349.15 K 12) 32 °C = 305.15 K

13) The temperature is -14 °C in Pocono Mountains. What is the temperature in Kelvin scale?

259.15 K

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