

Name: _____

Converting from Celsius to Kelvin

Convert the temperatures from Celsius to Kelvin.

Example: Convert 28 °C to K.

$$K = C + 273.15$$

$$= 28 + 273.15 = 301.15 \text{ K}$$

1) 40 °C = _____ K

2) 82 °C = _____ K

3) 63 °C = _____ K

4) 34 °C = _____ K

5) -25 °C = _____ K

6) 91 °C = _____ K

7) 59 °C = _____ K

8) -48 °C = _____ K

9) 114 °C = _____ K

10) 66 °C = _____ K

11) -7 °C = _____ K

12) 110 °C = _____ K

13) Neville set the temperature of the thermostat to 21 °C. Convert the given temperature to Kelvin.

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Convert the temperatures from Celsius to Kelvin.

Example: Convert 28 °C to K.

$$K = C + 273.15$$

$$= 28 + 273.15 = 301.15 \text{ K}$$

1) 40 °C = 313.15 K

2) 82 °C = 355.15 K

3) 63 °C = 336.15 K

4) 34 °C = 307.15 K

5) -25 °C = 248.15 K

6) 91 °C = 364.15 K

7) 59 °C = 332.15 K

8) -48 °C = 225.15 K

9) 114 °C = 387.15 K

10) 66 °C = 339.15 K

11) -7 °C = 266.15 K

12) 110 °C = 383.15 K

13) Neville set the temperature of the thermostat to 21 °C. Convert the given temperature to Kelvin.

294.15 K