

Temperature

Name: _____

Date: _____

°C = degree Celsius

K = Kelvin

Formula to convert temperatures	
Celsius to Kelvin	Kelvin to Celsius
1. $K = C + 273.15$	1. $C = K - 273.15$

Convert the following temperatures.

1) $24^{\circ}\text{C} = \text{K}$

2) $31^{\circ}\text{C} = \text{K}$

3) $36^{\circ}\text{C} = \text{K}$

4) $45^{\circ}\text{C} = \text{K}$

5) $16^{\circ}\text{C} = \text{K}$

6) $8^{\circ}\text{C} = \text{K}$

7) $10^{\circ}\text{C} = \text{K}$

8) $39^{\circ}\text{C} = \text{K}$

1) $482\text{ K} = ^{\circ}\text{C}$

2) $376\text{ K} = ^{\circ}\text{C}$

3) $289\text{ K} = ^{\circ}\text{C}$

4) $452\text{ K} = ^{\circ}\text{C}$

5) $589\text{ K} = ^{\circ}\text{C}$

6) $362\text{ K} = ^{\circ}\text{C}$

7) $499\text{ K} = ^{\circ}\text{C}$

8) $523\text{ K} = ^{\circ}\text{C}$

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Celsius to Kelvin	Kelvin to Celsius
1. $K = C + 273.15$	1. $C = K - 273.15$

Convert the following temperatures.

1) $24^{\circ}\text{C} = 297.15\text{ K}$

2) $31^{\circ}\text{C} = 304.15\text{ K}$

3) $36^{\circ}\text{C} = 309.15\text{ K}$

4) $45^{\circ}\text{C} = 318.15\text{ K}$

5) $16^{\circ}\text{C} = 289.15\text{ K}$

6) $8^{\circ}\text{C} = 281.15\text{ K}$

7) $10^{\circ}\text{C} = 283.15\text{ K}$

8) $39^{\circ}\text{C} = 312.15\text{ K}$

1) $482\text{ K} = 208.85^{\circ}\text{C}$

2) $376\text{ K} = 102.85^{\circ}\text{C}$

3) $289\text{ K} = 15.85^{\circ}\text{C}$

4) $452\text{ K} = 178.85^{\circ}\text{C}$

5) $589\text{ K} = 315.85^{\circ}\text{C}$

6) $362\text{ K} = 88.85^{\circ}\text{C}$

7) $499\text{ K} = 225.85^{\circ}\text{C}$

8) $523\text{ K} = 249.85^{\circ}\text{C}$