

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) $63^{\circ}\text{C} = \text{K}$

2) $74^{\circ}\text{C} = \text{K}$

3) $82^{\circ}\text{C} = \text{K}$

4) $9^{\circ}\text{C} = \text{K}$

5) $29^{\circ}\text{C} = \text{K}$

6) $46^{\circ}\text{C} = \text{K}$

7) $88^{\circ}\text{C} = \text{K}$

8) $90^{\circ}\text{C} = \text{K}$

1) $360\text{ K} = ^{\circ}\text{C}$

2) $288\text{ K} = ^{\circ}\text{C}$

3) $691\text{ K} = ^{\circ}\text{C}$

4) $436\text{ K} = ^{\circ}\text{C}$

5) $297\text{ K} = ^{\circ}\text{C}$

6) $545\text{ K} = ^{\circ}\text{C}$

7) $667\text{ K} = ^{\circ}\text{C}$

8) $892\text{ K} = ^{\circ}\text{C}$

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1. $K = C + 273.15$	1. $C = K - 273.15$

Convert the following temperatures.

1) $63\text{ }^{\circ}\text{C} = 336.15\text{ K}$

2) $74\text{ }^{\circ}\text{C} = 347.15\text{ K}$

3) $82\text{ }^{\circ}\text{C} = 355.15\text{ K}$

4) $9\text{ }^{\circ}\text{C} = 282.15\text{ K}$

5) $29\text{ }^{\circ}\text{C} = 302.15\text{ K}$

6) $46\text{ }^{\circ}\text{C} = 319.15\text{ K}$

7) $88\text{ }^{\circ}\text{C} = 361.15\text{ K}$

8) $90\text{ }^{\circ}\text{C} = 363.15\text{ K}$

1) $360\text{ K} = 86.85\text{ }^{\circ}\text{C}$

2) $288\text{ K} = 14.85\text{ }^{\circ}\text{C}$

3) $691\text{ K} = 417.85\text{ }^{\circ}\text{C}$

4) $436\text{ K} = 162.85\text{ }^{\circ}\text{C}$

5) $297\text{ K} = 23.85\text{ }^{\circ}\text{C}$

6) $545\text{ K} = 271.85\text{ }^{\circ}\text{C}$

7) $667\text{ K} = 393.85\text{ }^{\circ}\text{C}$

8) $892\text{ K} = 618.85\text{ }^{\circ}\text{C}$