

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) $42^{\circ}\text{C} = \text{K}$

2) $23^{\circ}\text{C} = \text{K}$

3) $33^{\circ}\text{C} = \text{K}$

4) $26^{\circ}\text{C} = \text{K}$

5) $12^{\circ}\text{C} = \text{K}$

6) $24^{\circ}\text{C} = \text{K}$

7) $27^{\circ}\text{C} = \text{K}$

8) $19^{\circ}\text{C} = \text{K}$

1) $409\text{ K} = ^{\circ}\text{C}$

2) $416\text{ K} = ^{\circ}\text{C}$

3) $342\text{ K} = ^{\circ}\text{C}$

4) $312\text{ K} = ^{\circ}\text{C}$

5) $298\text{ K} = ^{\circ}\text{C}$

6) $405\text{ K} = ^{\circ}\text{C}$

7) $317\text{ K} = ^{\circ}\text{C}$

8) $280\text{ K} = ^{\circ}\text{C}$

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Celsius to Kelvin	Kelvin to Celsius
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Convert the following temperatures.

1) $42^{\circ}\text{C} = 315.15\text{ K}$

2) $23^{\circ}\text{C} = 296.15\text{ K}$

3) $33^{\circ}\text{C} = 306.15\text{ K}$

4) $26^{\circ}\text{C} = 299.15\text{ K}$

5) $12^{\circ}\text{C} = 285.15\text{ K}$

6) $24^{\circ}\text{C} = 297.15\text{ K}$

7) $27^{\circ}\text{C} = 300.15\text{ K}$

8) $19^{\circ}\text{C} = 292.15\text{ K}$

1) $409\text{ K} = 135.85^{\circ}\text{C}$

2) $416\text{ K} = 142.85^{\circ}\text{C}$

3) $342\text{ K} = 68.85^{\circ}\text{C}$

4) $312\text{ K} = 38.85^{\circ}\text{C}$

5) $298\text{ K} = 24.85^{\circ}\text{C}$

6) $405\text{ K} = 131.85^{\circ}\text{C}$

7) $317\text{ K} = 43.85^{\circ}\text{C}$

8) $280\text{ K} = 6.85^{\circ}\text{C}$