

# 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)  $5\text{ }^{\circ}\text{C} = 278.15\text{ K}$

2)  $8\text{ }^{\circ}\text{C} = \text{K}$

3)  $2\text{ }^{\circ}\text{C} = \text{K}$

4)  $10\text{ }^{\circ}\text{C} = \text{K}$

5)  $9\text{ }^{\circ}\text{C} = \text{K}$

6)  $7\text{ }^{\circ}\text{C} = \text{K}$

7)  $13\text{ }^{\circ}\text{C} = \text{K}$

8)  $14\text{ }^{\circ}\text{C} = \text{K}$

1)  $280\text{ K} = 6.85\text{ }^{\circ}\text{C}$

2)  $296\text{ K} = \text{ }^{\circ}\text{C}$

3)  $320\text{ K} = \text{ }^{\circ}\text{C}$

4)  $354\text{ K} = \text{ }^{\circ}\text{C}$

5)  $440\text{ K} = \text{ }^{\circ}\text{C}$

6)  $431\text{ K} = \text{ }^{\circ}\text{C}$

7)  $372\text{ K} = \text{ }^{\circ}\text{C}$

8)  $315\text{ K} = \text{ }^{\circ}\text{C}$

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**Convert the following temperatures.**

1)  $5\text{ }^{\circ}\text{C} = 278.15\text{ K}$

2)  $8\text{ }^{\circ}\text{C} = 281.15\text{ K}$

3)  $2\text{ }^{\circ}\text{C} = 275.15\text{ K}$

4)  $10\text{ }^{\circ}\text{C} = 283.15\text{ K}$

5)  $9\text{ }^{\circ}\text{C} = 282.15\text{ K}$

6)  $7\text{ }^{\circ}\text{C} = 280.15\text{ K}$

7)  $13\text{ }^{\circ}\text{C} = 286.15\text{ K}$

8)  $14\text{ }^{\circ}\text{C} = 287.15\text{ K}$

1)  $280\text{ K} = 6.85\text{ }^{\circ}\text{C}$

2)  $296\text{ K} = 22.85\text{ }^{\circ}\text{C}$

3)  $320\text{ K} = 46.85\text{ }^{\circ}\text{C}$

4)  $354\text{ K} = 80.85\text{ }^{\circ}\text{C}$

5)  $440\text{ K} = 166.85\text{ }^{\circ}\text{C}$

6)  $431\text{ K} = 157.85\text{ }^{\circ}\text{C}$

7)  $372\text{ K} = 98.85\text{ }^{\circ}\text{C}$

8)  $315\text{ K} = 41.85\text{ }^{\circ}\text{C}$