

Temperature Conversion Worksheet

Name: _____

Period: _____

Directions: Use the following chart to answer the questions below

$C = (F - 32) * (5/9)$ $F = (9/5) * C + 32$	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> $\frac{9}{5} = 1.8$ </div>	$\text{Kelvin} = \text{Celsius} + 273$ $\text{Celsius} = \text{Kelvin} - 273$
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Use the space to show your work:

1. $25^{\circ}\text{C} = \underline{77}^{\circ}\text{F}$

$25^{\circ}\text{C} \left(\frac{9}{5}\right) + 32 =$

4. $25\text{K} = \underline{-414}^{\circ}\text{F}$

$(25\text{K} - 273) \frac{9}{5} + 32 =$

2. $25^{\circ}\text{F} = \underline{-3.9}^{\circ}\text{C}$

$(25^{\circ}\text{F} - 32) \div 1.8 =$

$\text{or } \times \frac{5}{9}$

5. $25^{\circ}\text{C} = \underline{298} \text{K}$

$25^{\circ}\text{C} + 273 =$

3. $-40^{\circ}\text{F} = \underline{-40}^{\circ}\text{C}$

$(-40 - 32) \div 1.8 =$

$\text{or } \times \frac{5}{9}$

6. $-40^{\circ}\text{C} = \underline{233} \text{K}$

$-40^{\circ}\text{C} + 273 =$

2 lines intersect

Melting or Freezing Temp.

Boiling or Condensation Vaporization Temp.

7. Celsius $\underline{0^{\circ}\text{C}}$

$\underline{100^{\circ}\text{C}}$

8. Fahrenheit $\underline{32^{\circ}\text{F}}$

$\underline{212^{\circ}\text{F}}$

9. Kelvin $\underline{273\text{K}}$

$\underline{373\text{K}}$