

Conversion of Temperature

Name: _____

Date: _____

A. Convert the temperatures from °C to °F.

REMEMBER:

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

1. $53^{\circ}\text{C} = \underline{\hspace{2cm}}^{\circ}\text{F}$

2. $40^{\circ}\text{C} = \underline{\hspace{2cm}}^{\circ}\text{F}$

3. $10^{\circ}\text{C} = \underline{\hspace{2cm}}^{\circ}\text{F}$

B. Convert the temperatures from Fahrenheit (°F) to Celsius (°C).

REMEMBER:

$$^{\circ}\text{C} = (^{\circ}\text{F} - 32) \frac{5}{9}$$

4. $208^{\circ}\text{F} = \underline{\hspace{2cm}}^{\circ}\text{C}$

5. $80^{\circ}\text{F} = \underline{\hspace{2cm}}^{\circ}\text{C}$

6. $110^{\circ}\text{F} = \underline{\hspace{2cm}}^{\circ}\text{C}$

C. Convert the temperatures from Fahrenheit (°F) to Kelvin (K).

REMEMBER:

$$(F - 32) \times \frac{5}{9} + 273.15$$

7. $220^{\circ}\text{F} = \underline{\hspace{2cm}} \text{K}$

8. $65^{\circ}\text{F} = \underline{\hspace{2cm}} \text{K}$

D. Convert the temperatures from °C to K.

REMEMBER:

$$C + 273.15$$

9. $73^{\circ}\text{C} = \underline{\hspace{2cm}} \text{K}$

10. $48^{\circ}\text{C} = \underline{\hspace{2cm}} \text{K}$