

WORKSHEET ON TEMPERATURE CONVERSIONS

1. Convert the following temperatures from Celsius to Fahrenheit.

a. $10^{\circ} = 50^{\circ}\text{F}$

b. $22^{\circ} = 71.6^{\circ}\text{F}$

c. $-10^{\circ} = 14^{\circ}\text{F}$

2. Convert the following temperatures from Fahrenheit to Celsius.

a. $98.6^{\circ} = 37^{\circ}\text{C}$

b. $212^{\circ} = 100^{\circ}\text{C}$

c. $32^{\circ} = 0^{\circ}\text{C}$

3. Convert the following temperatures from Celsius to Kelvin.

a. $0^{\circ} = 273^{\circ}\text{K}$

b. $25^{\circ} = 298^{\circ}\text{K}$

c. $100^{\circ} = 373^{\circ}\text{K}$

d. $-40^{\circ} = 233^{\circ}\text{K}$

4. Convert the following temperatures from Kelvin to Celsius.

a. $300^{\circ} = 27^{\circ}\text{C}$

b. $0^{\circ} = -273^{\circ}\text{C}$

c. $78^{\circ} = -195^{\circ}\text{C}$

5. Convert the following temperatures from Fahrenheit to Kelvin.

a. $10^{\circ} = 260.8^{\circ}\text{K}$

b. $200^{\circ} = 366.3^{\circ}\text{K}$

c. $-15^{\circ} = 246.9^{\circ}\text{K}$

6. Convert the following temperatures from Kelvin to Fahrenheit.

a. $200^{\circ} = -73^{\circ}\text{C} = -99.4^{\circ}\text{F}$

b. $350^{\circ} = 77^{\circ}\text{C} = 170.6^{\circ}\text{F}$