

# Temperature

1. What are heat and temperature? How do they differ?
2. Define the Fahrenheit, Celsius and Kelvin temperature scales in terms of freezing and boiling points of water.
3. What is the mathematical relationship between Celsius and Kelvin, and between Celsius and Fahrenheit scales?
4. Change  $-30^{\circ}\text{C}$  to Fahrenheit and Kelvin temperature. ( $-22^{\circ}\text{F}$ ,  $243\text{K}$ )
5. Convert  $65^{\circ}\text{F}$  to Celsius and Kelvin temperature. ( $18^{\circ}\text{C}$ ,  $291\text{K}$ )