

1. Using the graph, decide, which kind of function describes the relationship between the Celsius scale and the Fahrenheit scale of temperature measurement.
2. Based on the values chosen from the graph and assuming that the trend continues, provide equation for conversion of any temperature value in Celsius degrees to the corresponding temperature value in Fahrenheit degrees. Show your calculations.
3. Using the equation derived in the previous task, provide equation for conversion of any temperature value in Fahrenheit degrees to the corresponding temperature value in Celsius degrees.
4. Calculate i) how many °F is 100 °C; ii) how many °C is 451 °F; iii) the freezing temperature of liquid water at standard air pressure in °F.
5. What do you think why 451 °F is asked? Hint: It is a question about Materials Science.

