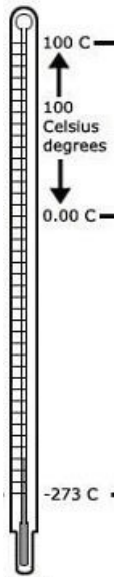
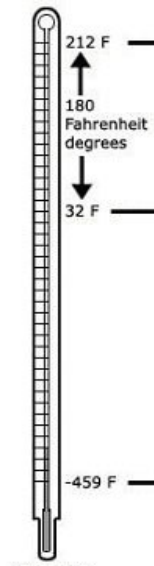


Converting Temperature in Celsius to Fahrenheit

The metric system uses the Celsius scale to measure temperature. However, the Fahrenheit scale is still widely used in the U.S.



Water freezes at 0° Celsius and boils at 100° C which is a difference of 100°.



Water freezes at 32° Fahrenheit and boils at 212° F which is a difference of 180°.

Therefore:

each degree on the Celsius scale = $180/100$

or

$9/5$ degrees on the Fahrenheit scale

How to convert Celsius temperatures to Fahrenheit:

1. Multiply the Celsius temperature by $9/5$ (the ratio of °C to °F) .

Ex: The Temperature is 21° C.

$$21^{\circ}\text{C} \quad \times \quad 9/5 = 189/5$$

$$189/5 = 37.8$$

2. Add 32° to adjust for the offset in the Fahrenheit scale

Ex:

$$37.8 + 32 = 69.8 \text{ } ^{\circ}\text{F}$$

3. The result is the current temperature in ° F .