

Name: _____

Period _____

Temperature Conversion Worksheet

Formulas:

Fahrenheit to Celsius

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

Celsius to Fahrenheit:

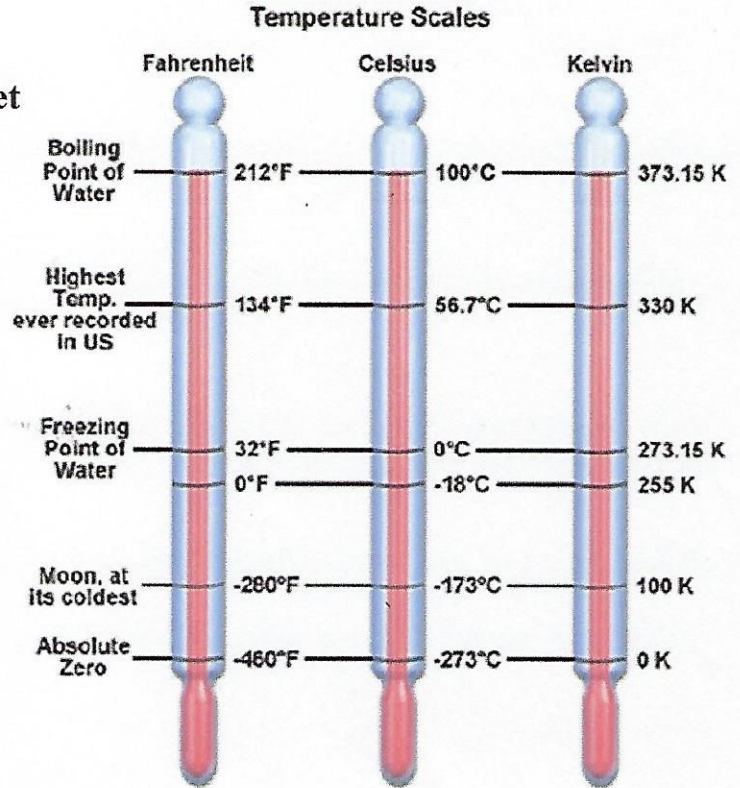
$$F^{\circ} = 9/5 C^{\circ} + 32$$

Celsius to Kelvin

$$K^{\circ} = C^{\circ} + 273.15$$

Kelvin to Celsius:

$$C^{\circ} = K^{\circ} - 273.15$$



Use the formulas above to convert the temperatures to different scales.

Convert the following to Fahrenheit

1) 10° C _____

2) 30° C _____

3) 40° C _____

4) 37° C _____

5) 0° C _____

11) 212° F _____

Convert the following to Kelvin

12) 0° C _____

13) -50° C _____

14) 90° C _____

15) -20° C _____

Convert the following to Celsius

6) 32° F _____

7) 45° F _____

8) 70° F _____

9) 80° F _____

10) 90° F _____

Convert the following to Celsius

16) 100° K _____

17) 200° K _____

18) 273° K _____