

Name: \_\_\_\_\_  
#: \_\_\_\_\_

Period \_\_\_\_\_

## Temperature Conversion Worksheet

### Formulas:

Fahrenheit to Celsius

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

Celsius to Fahrenheit:

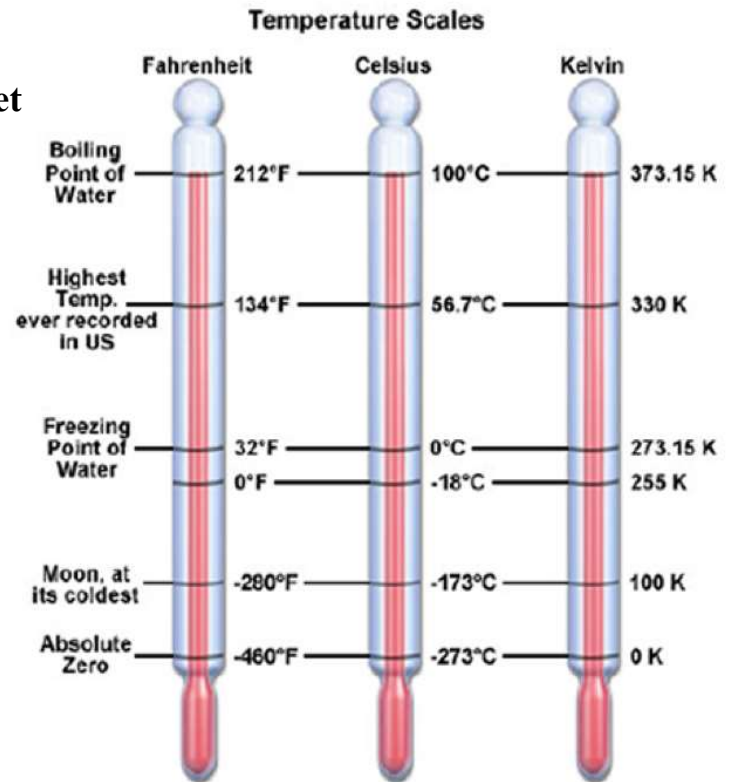
$$F^{\circ} = \frac{9}{5} C^{\circ} + 32$$

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 \_\_\_\_\_