

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

## Converting between Celsius and Kelvin

T1S1

A) Convert the temperatures from Celsius to Kelvin.

1)  $46\text{ }^{\circ}\text{C} =$  \_\_\_\_\_ K

2)  $-57\text{ }^{\circ}\text{C} =$  \_\_\_\_\_ K

3)  $69\text{ }^{\circ}\text{C} =$  \_\_\_\_\_ K

4)  $172\text{ }^{\circ}\text{C} =$  \_\_\_\_\_ K

5)  $213\text{ }^{\circ}\text{C} =$  \_\_\_\_\_

$=$  \_\_\_\_\_ K

7)  $-14\text{ }^{\circ}\text{C} =$  \_\_\_\_\_

$=$  \_\_\_\_\_ K

B) Convert the temperatures from Kelvin to Celsius.

1)  $301\text{ K} =$  \_\_\_\_\_

$=$  \_\_\_\_\_  $^{\circ}\text{C}$

3)  $268\text{ K} =$  \_\_\_\_\_

$=$  \_\_\_\_\_  $^{\circ}\text{C}$

5)  $467\text{ K} =$  \_\_\_\_\_  $^{\circ}\text{C}$

6)  $432\text{ K} =$  \_\_\_\_\_  $^{\circ}\text{C}$

7)  $324\text{ K} =$  \_\_\_\_\_  $^{\circ}\text{C}$

8)  $350\text{ K} =$  \_\_\_\_\_  $^{\circ}\text{C}$

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## Converting between Celsius and Kelvin

T1S1

A) Convert the temperatures from Celsius to Kelvin.

1)  $46\text{ }^{\circ}\text{C} = \underline{\quad 319.15 \quad} \text{K}$

2)  $-57\text{ }^{\circ}\text{C} = \underline{\quad 216.15 \quad} \text{K}$

3)  $69\text{ }^{\circ}\text{C} = \underline{\quad 342.15 \quad} \text{K}$

4)  $172\text{ }^{\circ}\text{C} = \underline{\quad 445.15 \quad} \text{K}$

5)  $213\text{ }^{\circ}\text{C} = \underline{\quad 486.15 \quad} \text{K}$

$= \underline{\quad 281.15 \quad} \text{K}$

7)  $-14\text{ }^{\circ}\text{C} = \underline{\quad 259.15 \quad} \text{K}$

$= \underline{\quad 303.15 \quad} \text{K}$

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B) Convert the temperatures from Kelvin to Celsius.

1)  $301\text{ K} = \underline{\quad -14.15 \quad} \text{ }^{\circ}\text{C}$

$= \underline{\quad -14.15 \quad} \text{ }^{\circ}\text{C}$

3)  $268\text{ K} = \underline{\quad -5.15 \quad} \text{ }^{\circ}\text{C}$

$= \underline{\quad 90.85 \quad} \text{ }^{\circ}\text{C}$

5)  $467\text{ K} = \underline{\quad 193.85 \quad} \text{ }^{\circ}\text{C}$

6)  $432\text{ K} = \underline{\quad 158.85 \quad} \text{ }^{\circ}\text{C}$

7)  $324\text{ K} = \underline{\quad 50.85 \quad} \text{ }^{\circ}\text{C}$

8)  $350\text{ K} = \underline{\quad 76.85 \quad} \text{ }^{\circ}\text{C}$