

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

## Converting between Celsius and Kelvin

T153

A) Convert the temperatures from Celsius to Kelvin.

1)  $28^{\circ}\text{C} =$  \_\_\_\_\_ K

2)  $64^{\circ}\text{C} =$  \_\_\_\_\_ K

3)  $53^{\circ}\text{C} =$  \_\_\_\_\_ K

4)  $115^{\circ}\text{C} =$  \_\_\_\_\_ K

5)  $-94^{\circ}\text{C} =$  \_\_\_\_\_

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

7)  $187^{\circ}\text{C} =$  \_\_\_\_\_

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

B) Convert the temperatures from Kelvin to Celsius.

1)  $279\text{ K} =$  \_\_\_\_\_

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

3)  $360\text{ K} =$  \_\_\_\_\_

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

5)  $415\text{ K} =$  \_\_\_\_\_  $^{\circ}\text{C}$

6)  $388\text{ K} =$  \_\_\_\_\_  $^{\circ}\text{C}$

7)  $385\text{ K} =$  \_\_\_\_\_  $^{\circ}\text{C}$

8)  $427\text{ K} =$  \_\_\_\_\_  $^{\circ}\text{C}$

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

## Converting between Celsius and Kelvin

A) Convert the temperatures from Celsius to Kelvin.

1)  $28\text{ }^{\circ}\text{C} = \underline{301.15}\text{ K}$

2)  $64\text{ }^{\circ}\text{C} = \underline{337.15}\text{ K}$

3)  $53\text{ }^{\circ}\text{C} = \underline{326.15}\text{ K}$

4)  $115\text{ }^{\circ}\text{C} = \underline{388.15}\text{ K}$

5)  $-94\text{ }^{\circ}\text{C} = \underline{199.15}\text{ K}$

$= \underline{311.15}\text{ K}$

7)  $187\text{ }^{\circ}\text{C} = \underline{460.15}\text{ K}$

$= \underline{267.15}\text{ K}$

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B) Convert the temperatures from Kelvin to Celsius.

1)  $279\text{ K} = \underline{18.85}\text{ }^{\circ}\text{C}$

$= \underline{18.85}\text{ }^{\circ}\text{C}$

3)  $360\text{ K} = \underline{82.15}\text{ }^{\circ}\text{C}$

$= \underline{-97.15}\text{ }^{\circ}\text{C}$

5)  $415\text{ K} = \underline{141.85}\text{ }^{\circ}\text{C}$

6)  $388\text{ K} = \underline{114.85}\text{ }^{\circ}\text{C}$

7)  $385\text{ K} = \underline{111.85}\text{ }^{\circ}\text{C}$

8)  $427\text{ K} = \underline{153.85}\text{ }^{\circ}\text{C}$