What is Temperature?

A. Choose the correct answer:

1. Temperature tells us how

a) heavy something is
b) tall something is
c) hot or cold something is
d) fast something moves

2. The standard unit to measure temperature is

a) Kilogram
b) Litre
c) Degree Celsius
d) Metre

3. What instrument is used to measure temperature

a) Stopwatch
b) Thermometer
c) Ruler
d) Barometer

4. Water boils at

a) 0°C
b) 50°C
c) 100°C
d) 212°C

5. Water freezes at

a) 0°C
b) 10°C
c) 25°C
d) 50°C

B. Write the Missing Terms to Complete the Sentences:

1. Temperature is measured using a _____.
2. The unit used to measure temperature is _____.
3. The freezing point of water is _____.
4. The boiling point of water is _____.
5. A hot cup of tea has _____ temperature than a glass of ice water.

C. Mark each sentence with a True (✔) or False (✗):

1. Temperature tells us how fast something moves. _____
2. Degree Celsius is a unit used to measure temperature. _____
3. Ice cream is colder than boiling water. _____

4. The thermometer is used to measure time. _____
5. 100°C is the temperature at which water freezes. _____

D. Figure out the answers to these questions:

1. Write the name of the instrument used to check your body temperature.
2. Compare the temperature of boiling water and ice which is higher and why.
3. If the temperature outside is 35°C and inside the house is 28°C which place is warmer.
4. Explain what 0°C means in terms of water.
5. Arrange the temperatures in increasing order 15°C 30°C 5°C 25°C.

E. Challenge yourself with these questions:

1. What is the normal temperature of the human body in degree Celsius?
2. A thermometer shows 39°C What does this indicate about the temperature.
3. The classroom temperature is 30°C and outside it is 36°C Which is hotter and by how much.
4. If water is at 90°C will it boil or not Explain your answer.
5. Write a real-life situation where checking temperature is important.

F. Convert the temperature given in the Celsius Scale to the Fahrenheit Scale.

a. 450 C - _____
b. 900 C - _____
c. 40.30 C - _____
d. 650 C - _____

G. Convert the temperature given in the Fahrenheit Scale Celsius Scale.

a. 1020 F - _____
b. 370 F - _____
c. 2000 F - _____
d. 1850 F - _____