

Measuring Temperature: Celsius

Temperature tells us how hot or cold something is. Temperature is measured in degrees of Celsius in many parts of our world.

The Celsius scale

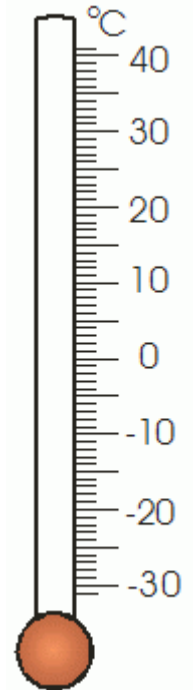
The Celsius scale gets its name from the Swedish astronomer Anders Celsius (1701 – 1744). He developed the scale two years before his death, but he used 0 for the boiling point of water, and 100 for the freezing point of water. These two were reversed in 1745, and so the two defining points for the Celsius scale became:

The freezing point of water	0°C
The boiling point of water	100°C

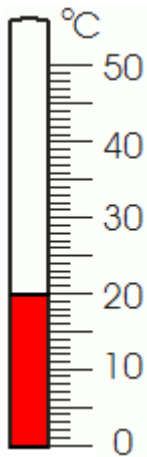
(in normal conditions)

1. On the thermometer on the right, mark these temperatures on the left side of the thermometer.

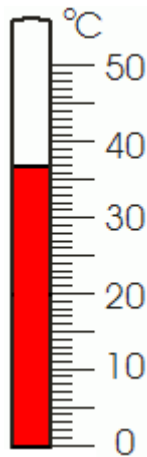
A normal body temperature	37°C
Hot summer weather	25...35°C
Nice inside temperature	19...23°C
Below freezing (icy and snowy)	-40...0°C (negative)



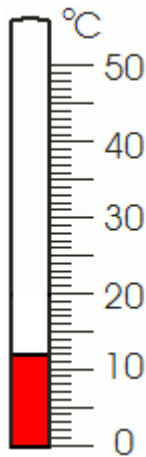
2. Write the temperatures.



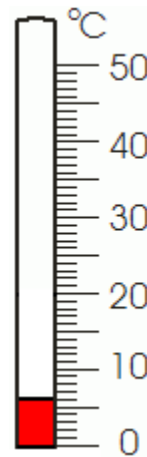
a. _____°C



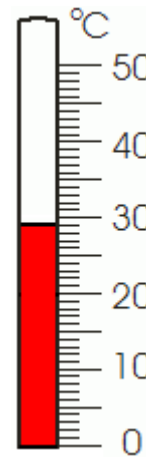
b. _____°C



c. _____°C



d. _____°C



e. _____°C

3. If you have a thermometer that measures in Celsius degrees, use it to measure the temperature:
 a. outside _____ b. inside _____ c. in the fridge _____.

You need to leave the thermometer in each place for about 10-15 minutes for it to adjust, and then read the thermometer.

4. Check the weather forecast from the Internet:
<http://www.bbc.co.uk/weather/>.

Navigate to any area of the world you'd like. The temperatures shown are in Celsius degrees.

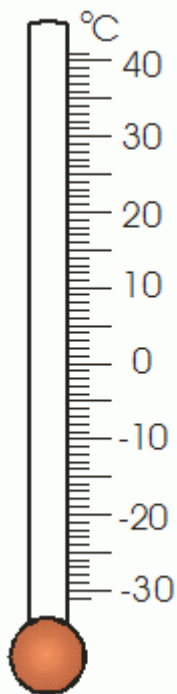
Can you tell from the temperatures if it is cold, hot, warm, or cool?

5. In the box on the right, match the temperatures with the descriptions.

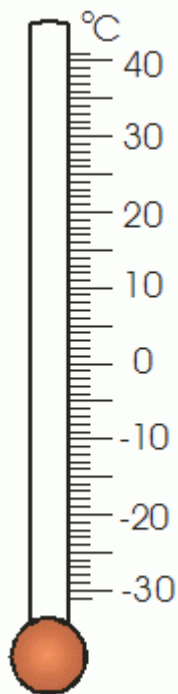
5.

a fall day	5°C
a summer day	39°C
a fever	22°C
hot soup	55°C
boiling oil	-12°C
It's snowing!	200°C
inside a fridge	12°C
inside a house	21°C

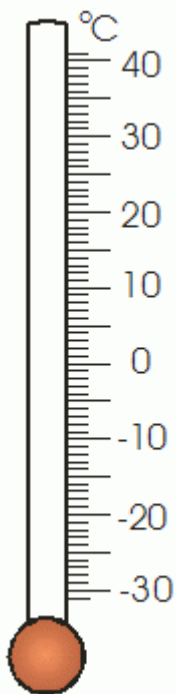
6. Draw the liquid on the thermometers. Write the right description underneath:
water freezing, a spring day, a winter day, inside, a hot day



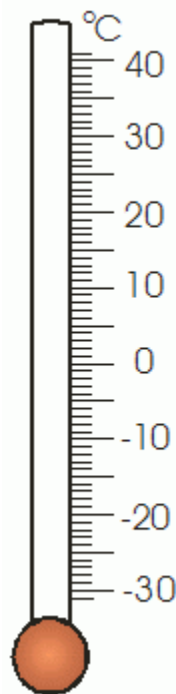
a. -10°C



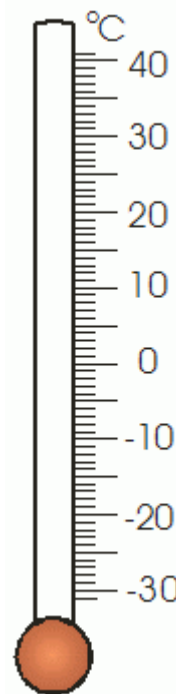
b. 0°C



c. 10°C



d. 20°C



e. 30°C