

Chem 100

A Few Notes on the SI System of Weights and Measures

A number of units are named after dead, white, European men. The name of the unit starts with a lowercase letter, but the symbol is an upper case letter.

	<u>unit</u>	<u>symbol</u>
Energy	joule	J
Temperature	kelvin	K
Electric Current	ampere	A

so you can write: the heat produced by the candle was 123 joules or 123 J - Note that you can put an 's' on joules, but there is no 's' on J.

on page 25 in the Lab Manual, you see **“(for water it is 4.18 Joules/g·°C)”**

This isn't correct. Let us tease it apart.

It's a mixture of units (Joules) and symbols (g and °C)
and, if you are writing the units, it should be joules, not Joules

Let's use units. We get **“for water it is 4.18 J/g · °C”**

The dot is OK. We use it to show the g and the °C are multiplied together.

Confession: A lot of people find the dot a pain to type, so they leave it out, and we end up with **4.18 J/g °C**

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