## MASTERY QUIZ: Temperature

UNIT	: Laboratory Equipment Score: 11 Points Possible / min. 80% passir
Name	Period Date/_/
	Available Equipment: thermometer calculator beaker of ice water
For	r each measurement, 1 pt. each for the unit of measurement and number (including estimated last digit).
1.	Record the temperature reading of the thermometer in ice water.  2 pts.
2.	Record the thermometer readings shown below. Assume the scale is in centigrade / celsius. 2 pts.
	A
	C is Celsius F is Fahrenheit K is Kelvin $C = 5/9$ (F-32) $F = 9/5$ (C) $+ 32$ $K = C + 273$
2.	In southern Spain during July, the temperature is 31.2 °C. The temperature in °F is 1 pt.
3.	While walking in Ohio in April, the temperature is 70.0 °F. The temperature in °C is 1 pt.
4.	During an experiment the temperature is -60.5 °C. The temperature in °K is 1 pt.
5.	Why is the Fahrenheit scale for temperature useful? 1 pt.
6.	Why is the Kelvin scale for temperature useful? 1 pt.
7.	Pure water boils at °C and °F. 1 pt.
8.	Pure water freezes at °C and °F. 1 pt.