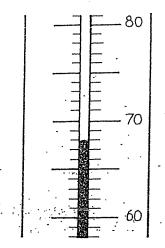
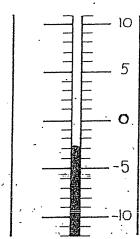
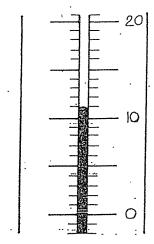
READING THERMOMETERS

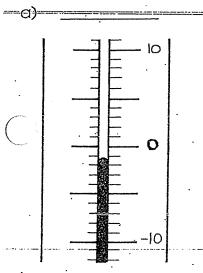
Name

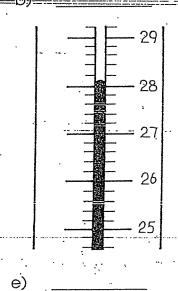
nat temperature is indicated on each of the thermometers below?

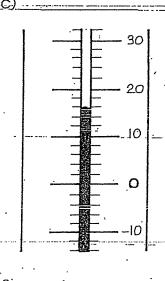


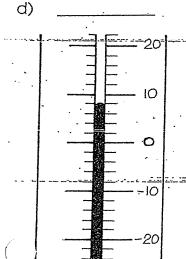


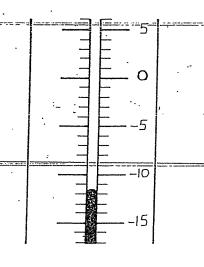


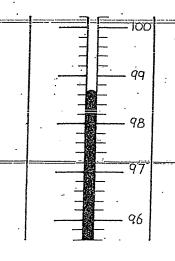












- h) _____
- i) _____

MANA TITAK MANAH KASAH KAKAN MANAH M

TEMPERATURE AND ITS MEASUREMENT

Name

Temperature (which measures average kinetic energy of the molecules) can be measured using three common scales: Celsius, Kelvin and Fahrenheit. We use the following formulas to convert from one scale to another. Celsius is the scale most desirable for laboratory work. Kelvin represents the absolute scale. Fahrenheit is the old English scale which is never used in lab.

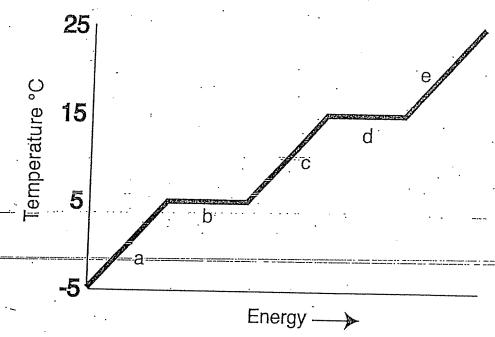
$$^{\circ}C = K - 273$$
 $K = ^{\circ}C + 273$ $^{\circ}F = ^{9}/_{5}^{\circ}C + 32$ $^{\circ}C = ^{5}/_{9}(^{\circ}F - 32)$

Complete the following chart. All measurements are good to 1° C or better.

° .	K	°F	
0° C			
2	·	212° F	
. 3	450 K		
4		98.6° F	
5 273° C			·.
6	294 K		· <u>.</u>
7.		77° F	
8	225 K	· :	The same Administra
9 -40° C			

FREEZING AND BOILING POINT GRAPH

Name____



Answer the following questions using the chart above.

- . What is the freezing point of the substance?
- 2. What is the boiling point of the substance? _____
- 3. What is the melting point of the substance? _____
- 4. What letter represents the range where the solid is being warmed? _
- 5. What letter represents the range where the liquid is being warmed? _____
- 6. What letter represents the range where the vapor is being warmed?
- 7. What letter represents the melting of the solid?
- 8. What letter represents the vaporization of the liquid? _____
- 9. What letter(s) shows a change in potential energy?
- 10. What letter(s) shows a change in kinetic energy? _____
 - What letter represents condensation? _____
- 12. What letter represents crystallization?