SPH3U 6.1 Warmth and Coldness

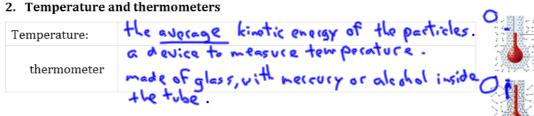
1	Vibrations	of atoms	and m	olecules
1.	v ibi ations	vi atoms	anu m	oiecules

Kinetic molecular	objects are made up of particles that all	act
theory:	each other (potential energy) and move around	(kinetic
	3/1	one (av)

Solids		Liquids	Gases	
heat: particles	Lest:	particles vibre	ate heat: particles	
vibrate faster.	Fast	tel and move .e to place.	•	
	melting → ← freezing	Salestan	boiling → ondensation	

Thermal energy:	by a subsidued & Landles.
transfer	only transferred from hot objects to cold objects.

2. Temperature and thermometers



Celsius scale	Fahrenheit scale	Kelvin scale	
O°C: melting	OFF. Melting	(815105 + 275.	m m 050
point of water.		OK = absolute	$T_C = T_K - 273$
point of water.	100°F: Boiling	zero (no KE)	$T_K = T_C + 273$
Y-11 Of Balet.	1000 01 01 01 00 01 00 01 01 00 01 01 01	100	

Ethyl alcohol freezes at 159 K. What is this temperature in degrees Celsius?

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