Thermal Properties - 2020 A2

1. June/2020/Paper_42/No.3

By reference to the first law of thermodynamics, state and explain the change, if any, in the internal energy of:	
(a)	a lump of solid lead as it melts at constant temperature
	[3]
(b)	some gas in a toy balloon when the balloon bursts and no thermal energy enters or leaves the gas.
	(3)
	[3]
	[Total: 6]