4	(a)	State the evidence for the assumption that		
		(i)	there are significant forces of attraction between molecules in the solid state,	
		(ii)	the forces of attraction between molecules in a gas are negligible.	
			[1]	
	(b)	Exp	plain, on the basis of the kinetic model of gases, the pressure exerted by a gas.	
			[4]	
	(c)	tem Sug	uid nitrogen has a density of 810 kg m ⁻³ . The density of nitrogen gas at room perature and pressure is approximately 1.2 kg m ⁻³ . It is approximately 1.2 kg m ⁻³ is approximately 1.2 kg m ⁻³ . It is approximately 1.2 kg m ⁻³ is approximately 1.2 kg m ⁻³ . It is approximate	
			[2]	