Key Vocab	oulary	୍ର ସ୍ଥିତି Beckfoot		Subject: Science (Physics) Topic			Topic: Parti	Particle Model (Physics) Year Group: 11		
Internal energy	Total energy stored by the particles that make up a system.	Chang			anges. Mass is alw	ays conserved.		Heating graphs		Cooling graphs
Specific latent heat	The energy required to change Ikg of a substance with no change in temperature.	Freeze with the solid of the s						BOILING Builing Builin		FREEZING I- Stronger bonds form
Specific heat capacity	The amount of energy needed to raise the temperature of Ikg of the substance by I°C.							particles are broken 2- Internal energy increases- energy is	;	between particles. 2- Internal energy decreases- energy is
Specific latent heat of fusion	The specific latent heat of changing between a solid and a	decreases	SOLID SSOLID SSSSS LIQUID CCC GAS	Particle arrangement Regular, fixed	Forces between particles Strong	Distance between particles Very small	Particle motion Vibration only	Calculating density		transferred away from particles potential energy stores.
Specific latent heat of vaporisation	liquid. The specific latent heat of changing between a liquid and a gas.	Density dear		Irregular	Weak	Small	Slow		Jensity (kg/m²)	
		ł	0∈ ,0 0 ⁶ ≥0	Irregular Very weak		Large	Fast			$\rho = \frac{m}{V}$ volume (m ³)