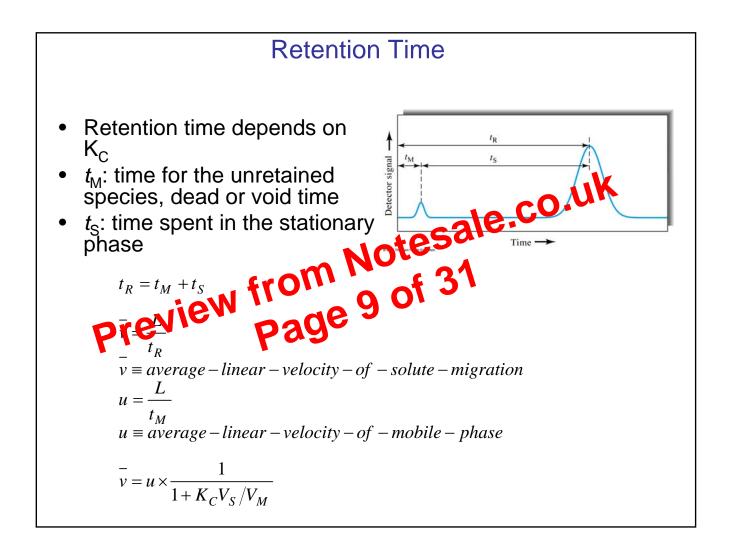


General Classification	Specific Method	Stationary Phase	Type of Equilibrium
1. Gas chromatography (GC)	a. Gas-liquid chro- matography (GLC)	Liquid adsorbed or bonded to a solid surface	Partition between gas and liquid
	b. Gas-solid	Solid	Adsorption
2. Liquid chromatography (LC)	a. Liquid-liquid, or partition	Liquid adsorbed or bonded to a solid surface	Partition between immiscible linuurs
	b. Liquid-solid, or adsorption	Solid	aso an
	c. Ion exchange	Ion-extra no	Ion exchange
	d. Size exclusion	Low and interstices of a polymeric solid	Partition/sieving
	e A ffin 🔶	Group on the liquid	Partition between surface liquid and mobile liquid
. Supercritic and the choma- to raphy (SFC; mobile phase: supercritical fluid)	Page	Organic species bonded to a solid surface	Partition between supercritical fluid and bonded surface

Name based on type of Mobile



Theory of Band Broadening Longitudinal diffusion term B/u Molecules diffuse form region of high concentration to regions of low concentration Rate proportional to concentration differences and to diffusion conficient D_M of the species. Migration from center to other side (opposed to the direction of flow) Important In GC, less significant in LC

