













Tota	Il collisions	in a mixture
	n must know th ions per unit tir	e total number of
Z _{AA} =	$= \langle z_{AA} \rangle \frac{n_A^*}{2} =$	$= \frac{\pi d_A^2 < v_A >}{\sqrt{2}} n_A^{*2}$
		$= \pi d_{AB}^2 < v_{AB} > n_A^* n_B^*$
$Z_{AB} =$	$= \langle z_{B:A} \rangle n_B^*$	$= \pi d_{AB}^2 < v_{AB} > n_A^* n_B^*$

~~	Summary
٠	Simple kinetic theory allows calculation of
	various average properties
٠	Calculate average properties with the
	distribution function
>	Collision frequency important for properties
	that depend on the molecules being in close proximity
۲	Mixtures have multiple kinds of collisions