## LINDEMANN THEORY AND ST'S LIMITATIONS

1/2

Lindeman Theory (LT) provides a framework for realbiens, e.g: A -> P	undes bunding unimoleater
, J	
Obviously A carit just fall apart into P. It activation burier. This energy is gained by col	reeds to miloriome some
activeties berger This events is as ined to col	Visiand excitables
to the star start of the started by	months encodeding
(1) A M h	04
A + 101 = A" + 101 Whe	re Mis a third body
	-> bhis could be anything. An ihert
Grand state A excited A	gas, or another A molecule.
The excited A Her falls apart:	How is found SSA
D A + M ha A* + PM, who  Grand state A excited A  The excited A Her falls apart:  (2) A* hz P, so overall rabe=	d[P] = hz[A+]
SSA shows us black [A*] = 4, [M]+hz, and then	rabe = $h_2\left(\frac{h_1[A][M]}{h_1[M]+h_2}\right)$
breat! Now we can analyse the hirebics at high the denominator (@ high (M), h_[M] + h = h_1 (@ low (M), h_1 (M) + h = h	n and low [M] by changing
(@ low [M], h_, [M] +hz = kg	
This is all great and probably useful for an exam	n But there are northern
sin	Ale alimas.
Problem #1: LT assumes () is yourned by	y SCI. Unfortunately
molecules are complicated and  N-U MON +  Tamolecule	JIMED
la molecule	hand sphere.
Problem # Z: Excited molecules aren't necessari	My activated notecules.
Runing really fast   lobs of times, a risk needs ascitate	ion in a specific mode to
won't help you to be able to undergo a reaction. Ju	No being not and excited
Dend all vil to do it me	one ore install regulation
direction!	
	and the second second

TUNE INTO PART 2/2 FOR THE SOLUTIONS!