



THE UNITARITY OF	WHAT STARTS HERE CHANGES THE WORLD		WHAT STARTS HERE CHANGES
Chemical V	/apor Deposition	Simplifie	d CVD Mechanism
 Gas-phase (hon Reactions occur Solid is produce Poor uniformity, Solid surface (he Reaction occurs Solid formed is surface This is what we 	nogeneous) reactions in the gas phase d, that then lands on the wafer many particles eterogeneous) reactions on the wafer surface the deposited film try to achieve	 Transport of (diffusion) Adsorption of Reaction Assumed to Desorption of Transport of 	reactants to wafer surface f reactants on surface be rate-limiting step f by-products by-products into gas stream
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