Unimolecular Reaction with Surface Reactant and Volume Product	SR	VP	Syntax Examples
T FRONT B BACK SR SP SP	TOP_FRONT	FRONT	SR' + surface' -> VP' (+ SP') SR, + surface, -> VP, (+ SP,)
T FRONT B BACK SR SP VP	TOP_FRONT	BACK	SR' + surface' -> VP, (+ SP') SR, + surface, -> VP' (+ SP,)
T FRONT B BACK SP SR SP SR SP VP	TOP_FRONT	EITHER	SR' + surface' -> VP" (+ SP') SR, + surface, -> VP,, (+ SP,)
B FRONT T BACK SR SP VP	TOP_BACK	BACK	SR, + surface' -> VP, (+ SP,) SR' + surface, -> VP' (+ SP')
B FRONT T BACK SR SP	TOP_BACK	FRONT	SR, + surface' -> VP' (+ SP,) SR' + surface, -> VP, (+ SP')
B FRONT T BACK SP SR SP SR SP VP	TOP_BACK	EITHER	SR, + surface' -> VP" (+ SP,) SR' + surface, -> VP,, (+ SP')
T FRONT B BACK SR SP SP T FRONT B FRONT T BACK SR SP SP T BACK SP SP	EITHER	FRONT	SR' + surface" -> VP" (+ SP') SR, + surface,, -> VP,, (+ SP,)
T FRONT B BACK SR SP VP SR SR SP VP	EITHER	BACK	SR' + surface" -> VP,, (+ SP') SR, + surface,, -> VP" (+ SP,)
T FRONT B BACK SR SP SP B FRONT T BACK SR SP T BACK SP SP VP	ALIGNED		SR' -> VP' (+ SP') SR, -> VP, (+ SP,)
T FRONT B BACK SR SP VP B FRONT T BACK SP SP SP	OPPOSED		SR' -> VP, (+ SP') SR, -> VP' (+ SP,)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ANY		SR' -> VP" (+ SP') SR, -> VP,, (+ SP,)