Unimolecular Reaction with Surface Reactant and Surface Product	SR	SP	Syntax Examples
(T/B) FRONT/BACK SR → (T/B) FRONT/BACK SP	TOP_FRONT	TOP_FRONT	SR' + surface' -> SP' SR, + surface, -> SP,
(T/B) FRONT/BACK SR → (B/T) FRONT/BACK SP	TOP_FRONT	TOP_BACK	SR' + surface' -> SP, SR, + surface, -> SP'
(T/B) FRONT/BACK SR → (T/B) FRONT/BACK SP or (T/B) FRONT/BACK SR → (B/T) FRONT/BACK SP	TOP_FRONT	EITHER	SR' + surface' -> SP" SR, + surface, -> SP,,
(B/T) FRONT/BACK SR → (B/T) FRONT/BACK SP	TOP_BACK	TOP_BACK	SR' + surface, -> SP' SR, + surface' -> SP,
(B/T) FRONT/BACK SR → (T/B) FRONT/BACK SP	TOP_BACK	TOP_FRONT	SR' + surface, -> SP, SR, + surface' -> SP'
(B/T) FRONT/BACK SR → (T/B) FRONT/BACK SP or (B/T) FRONT/BACK SR → (B/T) FRONT/BACK SP	TOP_BACK	EITHER	SR' + surface, -> SP" SR, + surface' -> SP,,
(T/B) FRONT/BACK SR → (T/B) FRONT/BACK SP or (B/T) FRONT/BACK SR → (T/B) FRONT/BACK SP	EITHER	TOP_FRONT	SR' + surface" -> SP" SR, + surface,, -> SP,,
(T/B) FRONT/BACK SR → (B/T) FRONT/BACK SP or (B/T) FRONT/BACK SR → (B/T) FRONT/BACK SP	EITHER	TOP_BACK	SR' + surface" -> SP,, SR, + surface,, -> SP"
(T/B) FRONT/BACK SR → (T/B) FRONT/BACK SP or (B/T) FRONT/BACK SR → (B/T) FRONT/BACK SP	ALIGNED		SR' -> SP' SR, -> SP,
(T/B) FRONT/BACK SR → (B/T) FRONT/BACK SP or (B/T) FRONT/BACK SR → (T/B) FRONT/BACK SP	OPPOSED		SR' -> SP, SR, -> SP'
(T/B) FRONT/BACK SR → (T/B) FRONT/BACK SP or (T/B) FRONT/BACK SR → (B/T) FRONT/BACK SP or (B/T) FRONT/BACK SR → (B/T) FRONT/BACK SP or (B/T) FRONT/BACK SR → (T/B) FRONT/BACK SP	ANY		SR' -> SP" SR, -> SP,,