















































P _{CO2} = 10 bar Reactions	T _t	Post-combustion	Pre-combustion
$M_{2}O + N_{2}CO + CO = N_{2}M_{2}(CO)$	(K) 705	T ₁ (K) 710	$T_2(K)$
$M_{2}O + Na_{2}CO_{3} + CO_{2} - Na_{2}M_{2}O(CO_{3})_{2}$ $M_{2}O + K CO_{3} + CO_{3} - K M_{2}O(CO_{3})_{2}$	600	710 545	915
$MgO + K_2CO_3 + CO_2 - K_2Mg(CO_3)_2$ $MgO + C_2CO_3 + CO_2 = C_2Mg(CO_3)_2$	660	545	093 740
$\log 0 + CaCO_3 + CO_2 - CaHig(CO_3)_2$	695ª 705 ^b	635ª 630 ^b	785ª 790b
$M\sigma O + CO_2 = M\sigma CO_2$	590	535	685
	575ª, 675 ^b	520ª, 605 ^b	655 ^a , 760 ^b
$CaO + CO_2 = CaCO_2$	1095	975	1245
$Na_2O + CO_2 = Na_2CO_3$	hT°	hT	hT
$K_{2}O + CO_{2} = K_{2}CO_{3}$	hT	hT	hT
^b Calculated by the FactSage package ^c hT means the maximum temperature exceeds our temperature y mixing Na ₂ O, CaO, K ₂ O into creases; mong them, CaO(or CaCO ₃)/M	re range (1500K). MgO, the tr gO is a bet	urnover T of the tter choice for p	e mixed syster re-combustio







