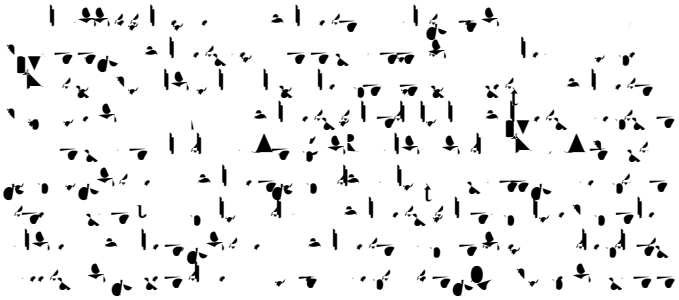
80401,

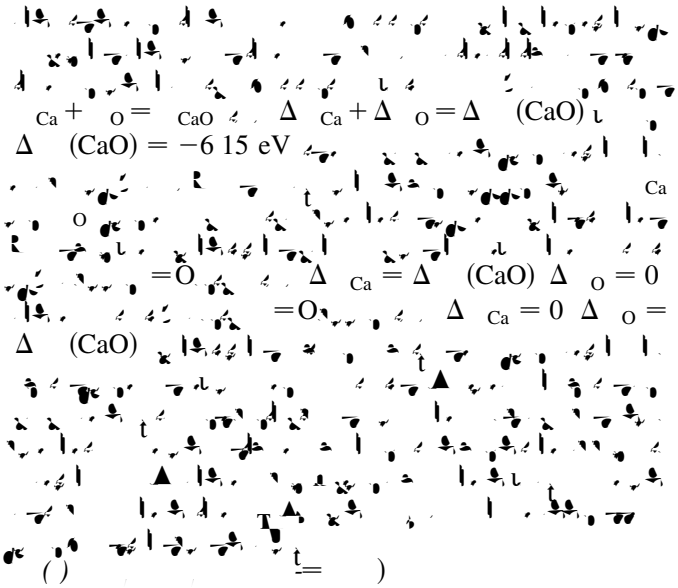
$^{0}_{Ca}$

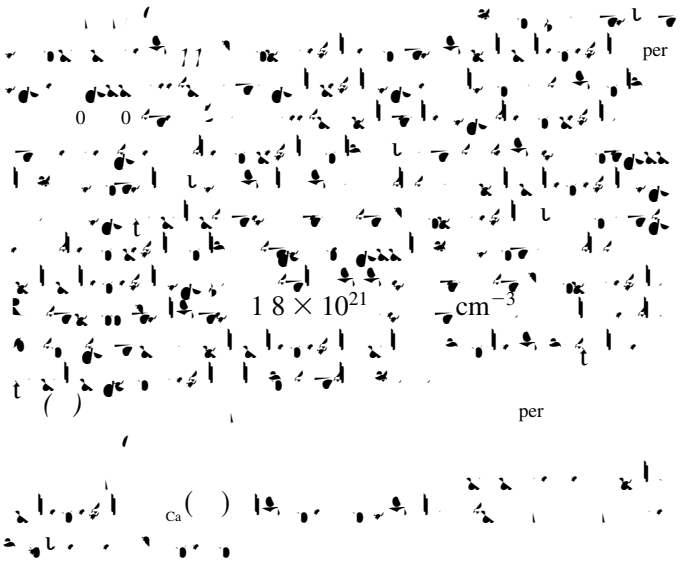
$1\,8 \times 10^{21}\ \mathrm{cm}^{-3}$

$10^{18}\ \mathrm{cm}^{-3}$

10^{3}







Ca O Ca

$\Delta(^{0}_{Ca})$ $\Delta(^{0}_{Ca} = 0K) = 2.11$ eV

$^{0}_{Ca}$ O_2

$^{0}_{Ca}$ 10^{13} cm^{-3}

Ca O $\Delta^t(_{Ca})$ $^{-}_{Ca}$ $^{2-}_{Ca}$ $^{0}_{Ca}$ $^{0}_{Ca}$ $^{-}_{Ca}$

$^{0}_{Ca}$ 10^{18} cm^{-3} ≥ 2400 K $=$ 1 atm

22

43

430 72 4 73 16 7 50 72