






mol gas/kg magma

$10^{-2}$   
 $10^{-3}$   
 $10^{-4}$   
 $10^{-5}$

$f_{\text{O}_2} = \text{FMQ-4}$   
 $P = 400 \text{ bar}$   
 $m_{\text{H}_2\text{O}}^{\text{tot}} = 0.5 \text{ wt\%}$   
 $m_{\text{CO}_2}^{\text{tot}} = 0.1 \text{ wt\%}$

	$\text{H}_2\text{O}$		$\text{CO}$
	$\text{H}_2$		$\text{CH}_4$
	$\text{CO}_2$		

1000 1200 1400 1600 1800

Temperature (K)