

## Experimental Results

Pressure, kG/cm <sup>2</sup>	Temperature, °C	Time, hours	Products	
			<u>Sepiolite</u>	
2000	100	22	Near initial charge	
	200	48	" " "	
	300	24	" " "	
	350	48	Appearance of hydrous talc	
	400	22	" " "	
	450	24	No sepiolite; unoriented microcrystalline talc; cristobalite	
	500	22	Talc, cristobalite, quartz	
	600	24	Talc, oriented on 001; less cristobalite; more quartz; appearance of mullite	
	1400	300	22	Near initial charge
		400	22	Appearance of hydrous talc
400		120	Less sepiolite; hydrous talc	
500		22	Talc, cristobalite	
600		22	Oriented talc, cristobalite, quartz, mullite	
650		22	Same	
800	300	48	Near initial charge	
	400	22	Appearance of hydrous talc	
	350	120	Appearance of hydrous talc	
	400	120	Sepiolite, hydrous talc	
	500	22	" " "	
	650	22	Talc, cristobalite, quartz Talc, cristobalite, quartz, mullite " " "	
2000	100	22		
	200	48		
	300	23		
	350	48		
	400	22		
	450	24		
	500	22		
	550	22		
	600	24		
	700	5		
1400	300	22	<u>Palygorskite</u>	
	400	22	Near initial charge	
	400	120	" " "	
	500	22	" " "	
	550	22	Appearance of montmorillonite	
	650	22	More montmorillonite	
800	300	48	Same	
	400	22	Montmorillonite, cristobalite, quartz	
	350	120	Mixed-layer phase: montmorillonite+chlorite, quartz, traces of cordierite and talc	
	400	120	Chlorite; sharp increase in quartz content; traces of talc	
			Cordierite, talc, quartz	
			Near initial charge	
800	300	48	Appearance of montmorillonite	
	400	22	Montmorillonite, cristobalite	
	350	120	Montmorillonite, quartz	
	400	120	Montmorillonite+chlorite, quartz	
			Montmorillonite+chlorite, quartz, talc, cordierite	
			Same	
		Near initial charge		
		Montmorillonite, palygorskite		
		" "		
		" "		