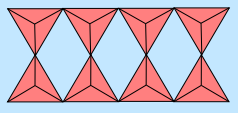
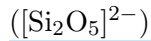


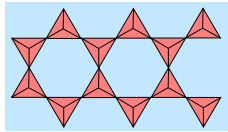
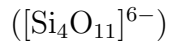
### 6. Ketten(Ino)-Silicate

#### 6.2. Doppelketten (DK)

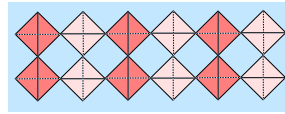
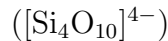
Einer-DK



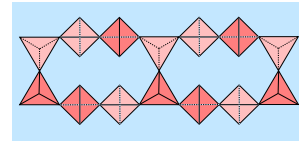
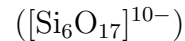
Zweier-DK I



Zweier-DK II

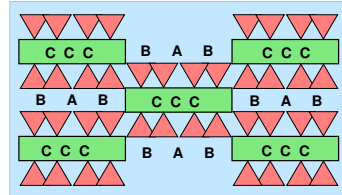
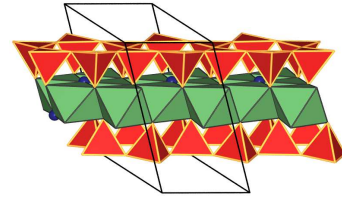
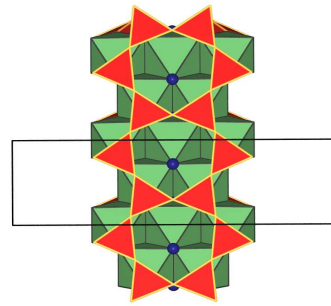
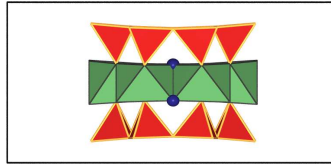


Dreier-DK I



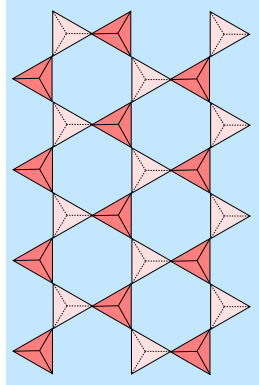
#### Amphibole

Name		Mg		Fe				
A	B	C						
Silicate	Alkali-frei	Al-arm	Cummingtonit	-	2 Mg 5 Mg	Grünert	-	2 Fe 5 Fe
			Tremolit	-	2 Ca 5 Mg	Ferroaktinolith	-	2 Ca 5 Fe
	Alkali-frei	Al-reich	Glaukophan	2 Na 3 Mg 2 Al		Riebeckit	2 Na 3 Fe 2 Fe	
			Gedrit	-	2 Mg 5 Mg/Al	Ferrogedrit	-	2 Fe 5 Mg/Al
Alumosilicate	Alkali-haltig	Al- bzw. Fe-haltig	Edenit	1 Na 2 Ca 5 Mg		Ferroedenit	1 Na 2 Ca 5 Fe	
			Pargasit	1 Na 2 Ca 4 Mg/Al		Hastingsit	1 Na 2 Ca 4 Fe/Al	
	Alkali-haltig	Al-reich	Tschermakit	2 Ca 3 Mg 2 Al/Fe		Ferrotschermakit	2 Ca 3 Fe 2 Al/Fe	

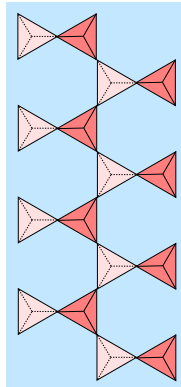


Position	Kationen				Name
	A	B	C	T	
Zahl	0-2	3-0	5-4	8	
CN	8 / 12	6 / 8	6	4	
Größe	groß	groß bis mittelgroß	mittelgroß bis klein	klein	
Alkali-frei, Al-arm	-	Mg <sub>2</sub>	Mg <sub>5</sub>	Si <sub>8</sub>	Cummingtonit
	-	Fe <sub>2</sub> <sup>2+</sup>	Fe <sub>5</sub> <sup>2+</sup>	Si <sub>8</sub>	Grünert (Amosit)
	-	Ca <sub>2</sub>	Mg <sub>5</sub>	Si <sub>8</sub>	Tremolit (Aktinolith)
	-	Ca <sub>2</sub>	Fe <sub>5</sub> <sup>2+</sup>	Si <sub>8</sub>	Ferroaktinolith
Alkali-frei, Al-reich	-	Mg <sub>2</sub>	Mg <sub>4-3</sub> Al <sub>1-2</sub>	Si <sub>7-6</sub> Al <sub>1-2</sub>	Gedrit
	-	Fe <sub>2</sub>	Fe <sub>4-3</sub> Al <sub>1-2</sub>	Si <sub>7-6</sub> Al <sub>1-2</sub>	Ferrogedrit
Alkali-, Al- bzw. Fe <sup>3+</sup> -haltig	Na	Ca <sub>2</sub>	Mg <sub>5</sub>	Si <sub>7</sub> Al	Edenit
	Na	Ca <sub>2</sub>	Fe <sub>5</sub> <sup>2+</sup>	Si <sub>7</sub> Al	Ferroedenit
	Ca <sub>2</sub>	Mg <sub>3</sub>	(Al/Fe <sup>3+</sup> ) <sub>2</sub>	Si <sub>6</sub> Al <sub>2</sub>	Tschermakit
	Ca <sub>2</sub>	Fe <sub>3</sub> <sup>2+</sup>	(Al/Fe <sup>3+</sup> ) <sub>2</sub>	Si <sub>6</sub> Al <sub>2</sub>	Ferrotschermakit
	Na <sub>2</sub>	Fe <sub>3</sub> <sup>2+</sup>	Fe <sub>3</sub> <sup>3+</sup>	Si <sub>8</sub>	Riebeckit (Blau-A., Krokydolith)

#### 6.3. Dreifachketten

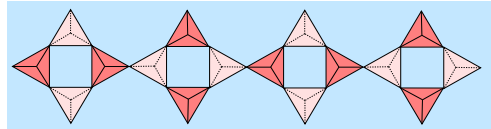


#### 6.4. Ketten mit Verzweigungen



#### 6.5. Ketten aus Ringen

□ aus Vierringen



□ aus Sechsringen

