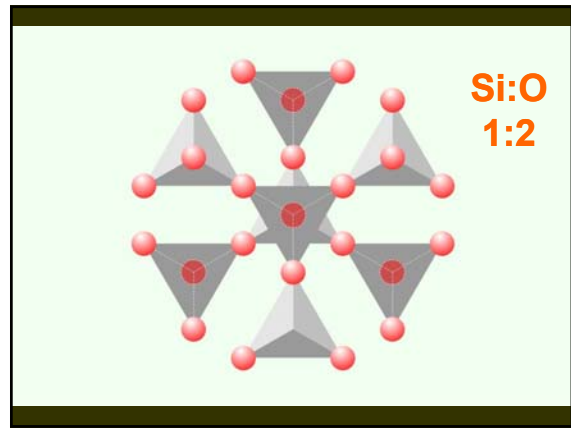


ΤΕΚΤΟΠΥΡΙΤΙΚΑ  
ΟΡΥΚΤΑ


1




2

Τεκτοπυριτικά

Χαλαζίας  
 $SiO_2$



Άστριοι  
 $KAlSi_3O_8$

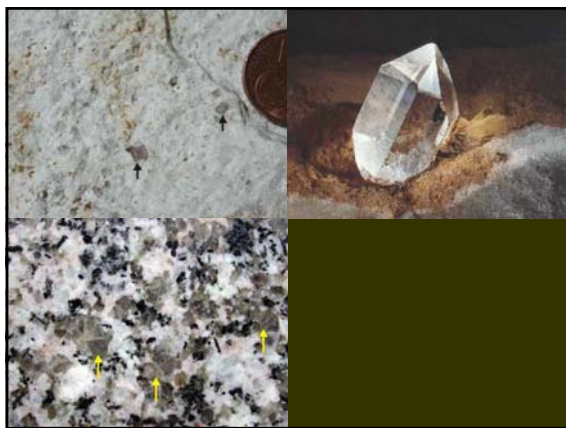


Άστριοειδή  
Ζεόλιθοι  
Σκαπόλιθοι

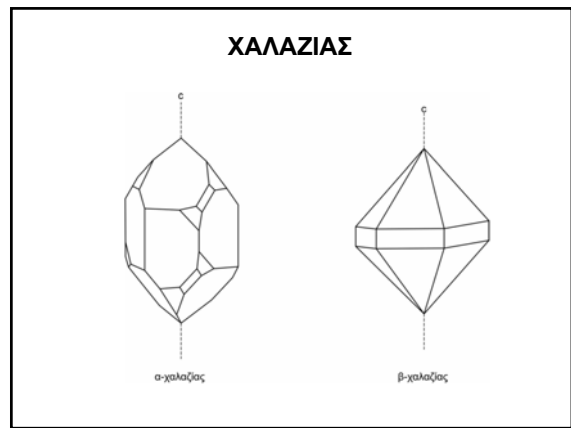
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ΧΑΛΑΖΙΑΣ

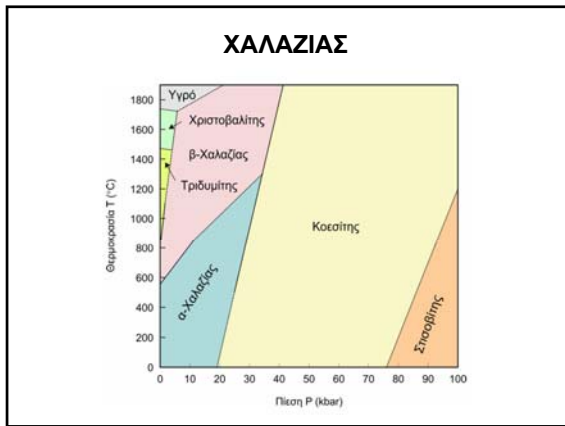
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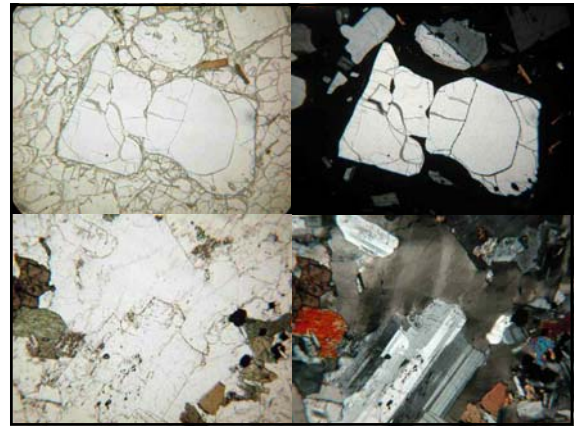
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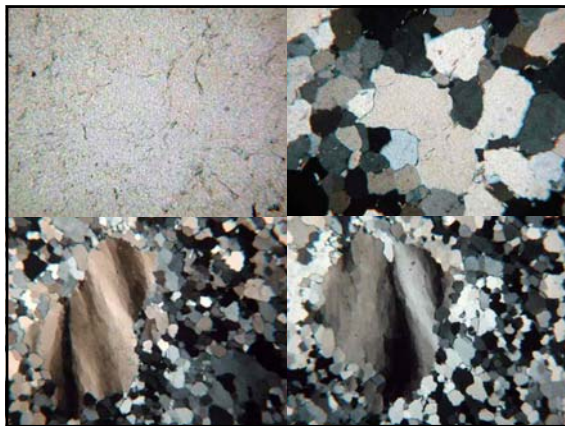
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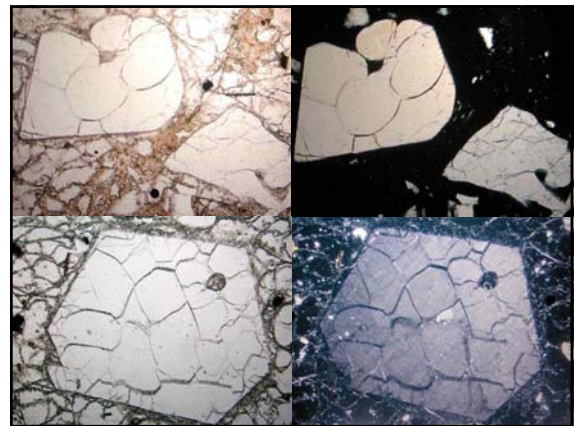
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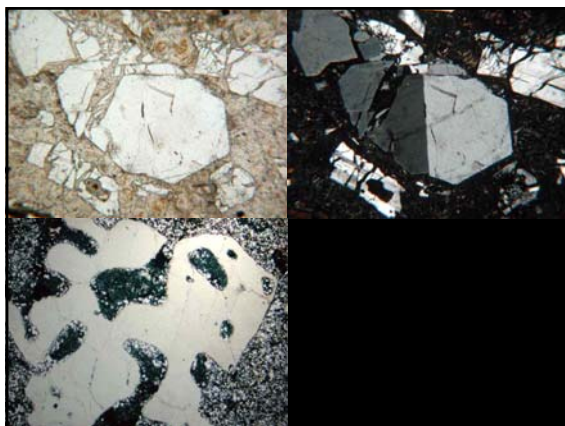
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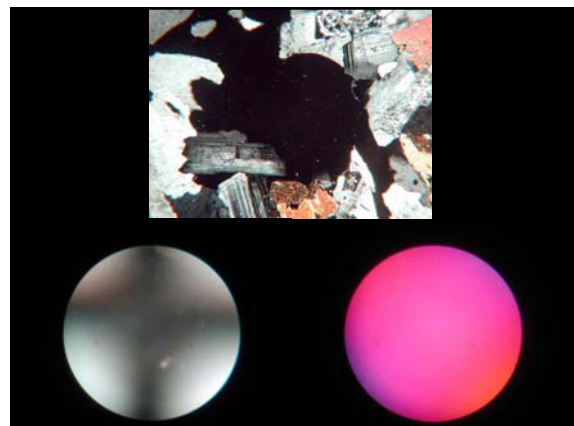
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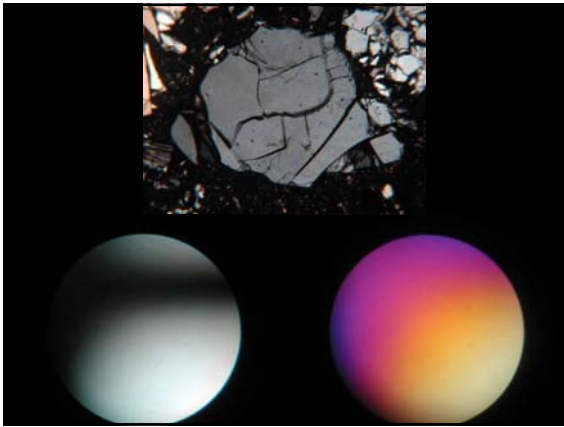
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11



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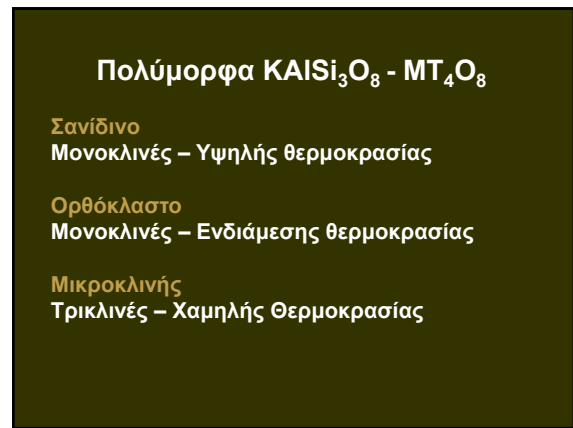
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14



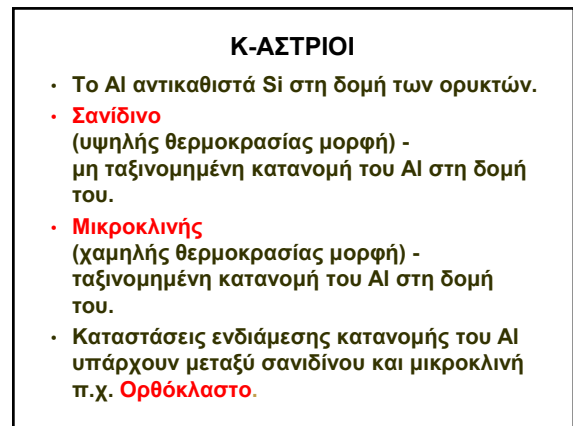
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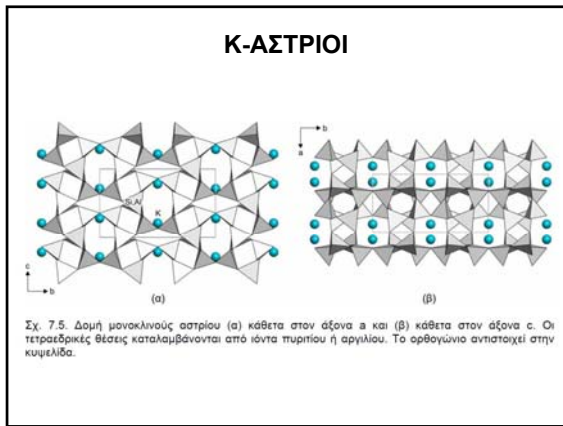
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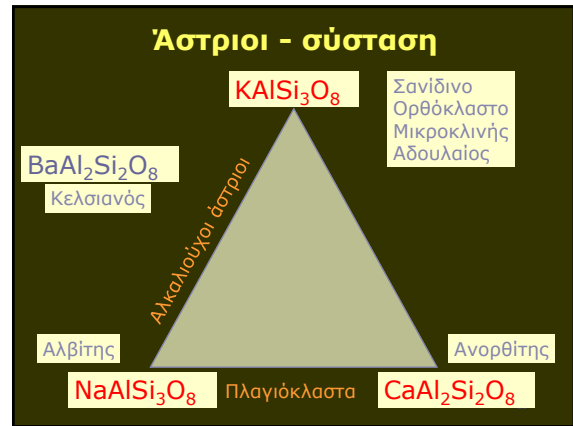
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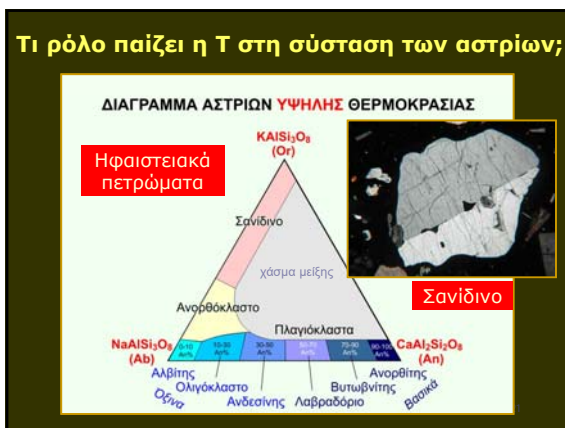
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19



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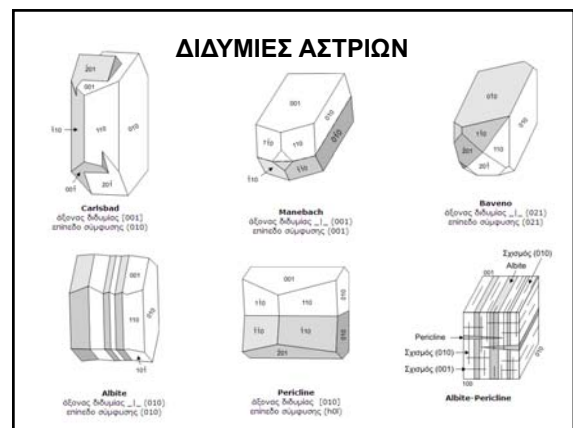
21



22



23



24

### ΔΙΔΥΜΙΕΣ ΑΣΤΡΙΩΝ

**Οι πιο κοινές διδυμίες των αστρίων**

	Μονοκλινές		Τρικλινές	
	Σανίδιο	Ορθόκλαστο	Μικροκλινής	Πλαγιόκλαστο
Carlsbad	✓	✓	✓	✓
Albite	✗	✗	✓	✓
Pericline	✗	✗	✓	✓

25

### Άστριοι

Σανίδιο    Ορθόκλαστο    Μικροκλινής    Πλαγιόκλαστο

Αχρώμα - Χαμηλό ανάγλυφο - Χαμηλά χρώματα πόλωσης

**Διδυμίες**

26

### Διδυμίες αστρίων

Κ-άστριοι  
Σανίδιο - Ορθόκλαστο - Μικροκλινής

Πλαγιόκλαστα

**Carlsbad**  
άξονας διδυμίας [001]  
επίπεδο σύμφυσης (010)

27

### Διδυμίες αστρίων

Πλαγιόκλαστα

**Albite**  
άξονας διδυμίας  $\bar{1}10$  (001)  
επίπεδο σύμφυσης (010)

28

### Διδυμίες αστρίων

Πλαγιόκλαστα

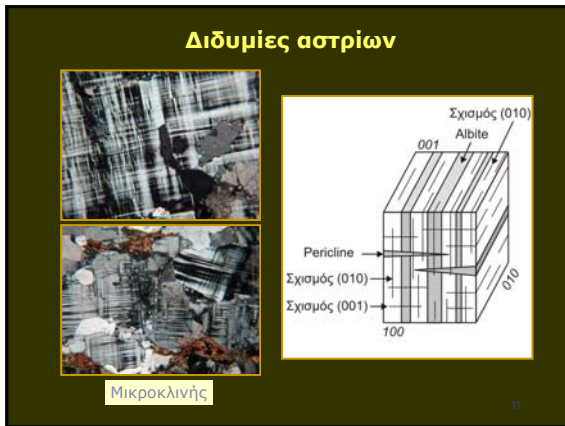
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άξονας διδυμίας [010]  
επίπεδο σύμφυσης (h0l)

29

### Διδυμίες αστρίων

Πλαγιόκλαστα

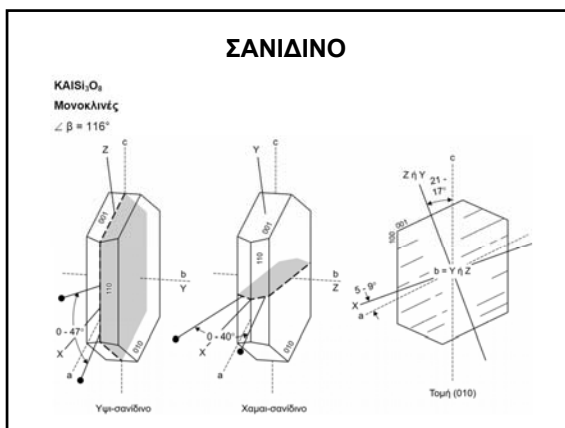
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31



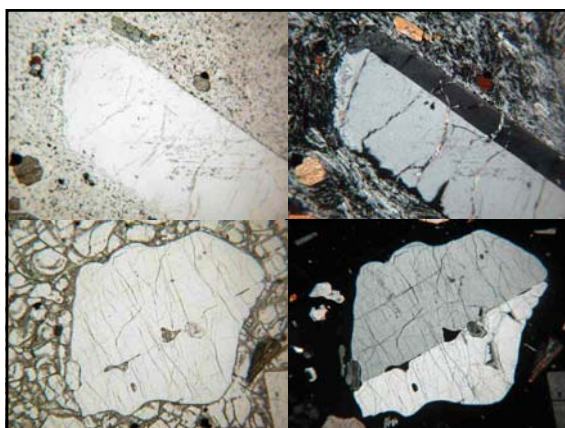
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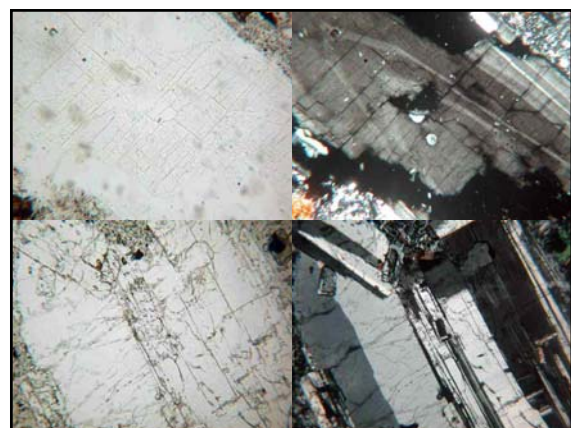
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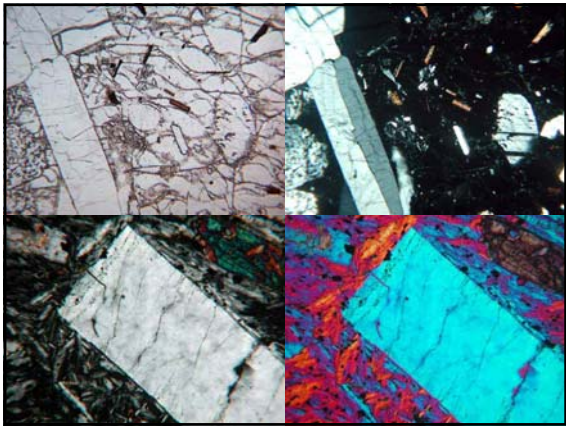
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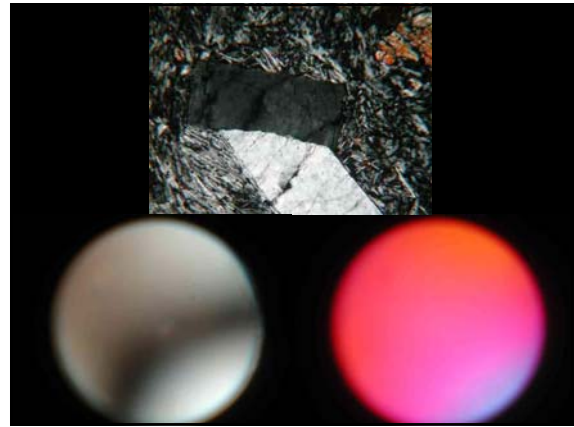
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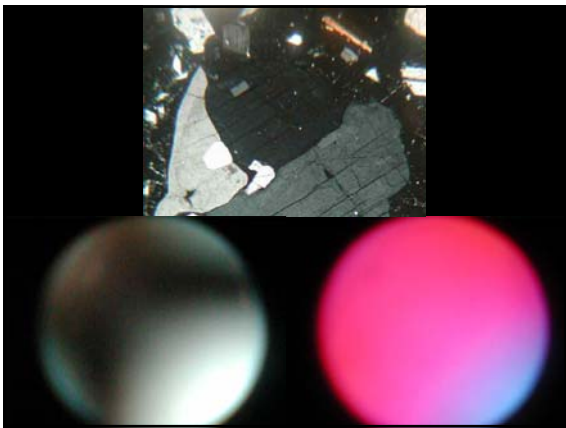
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37



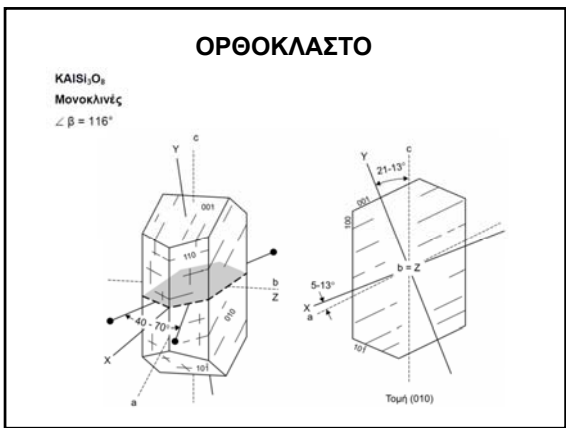
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39



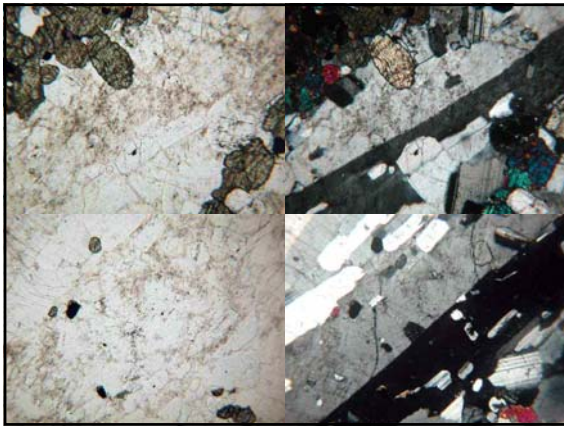
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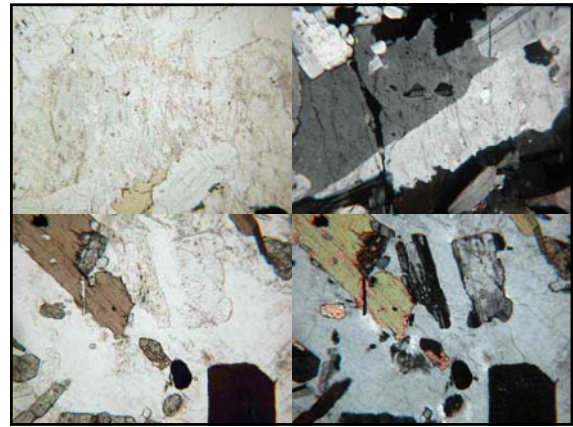
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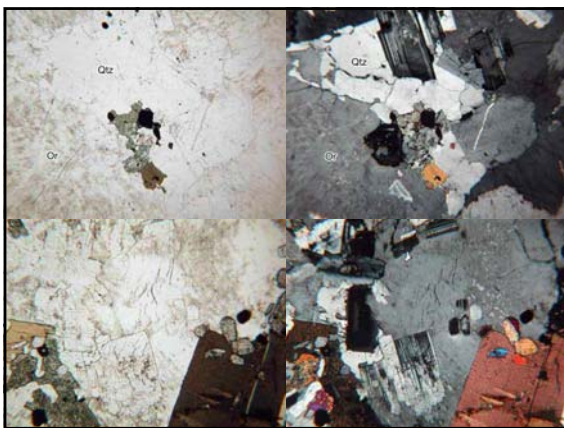
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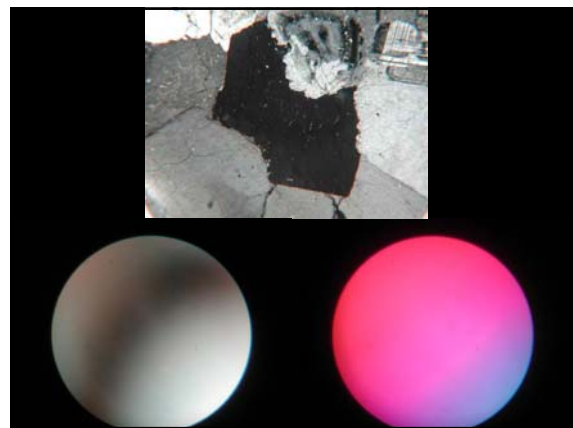
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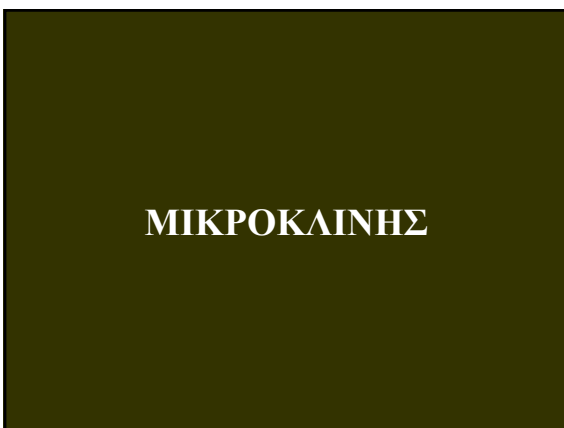
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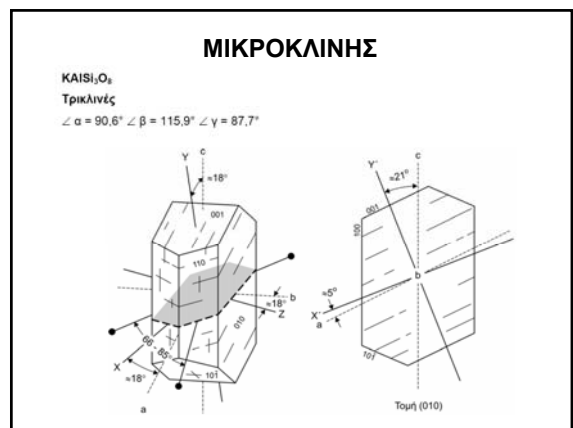
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46



47



48

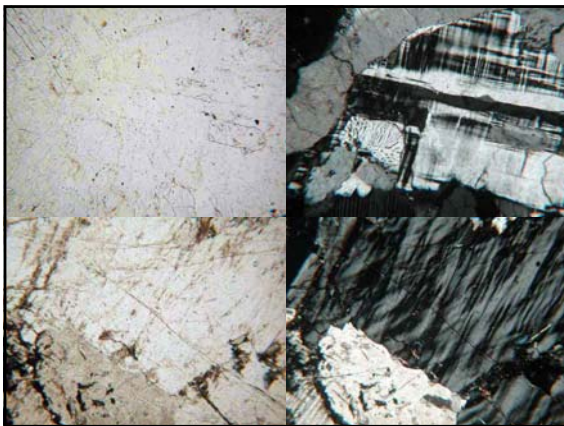




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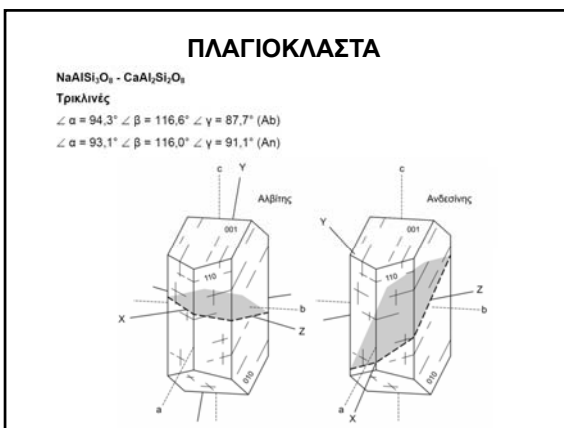
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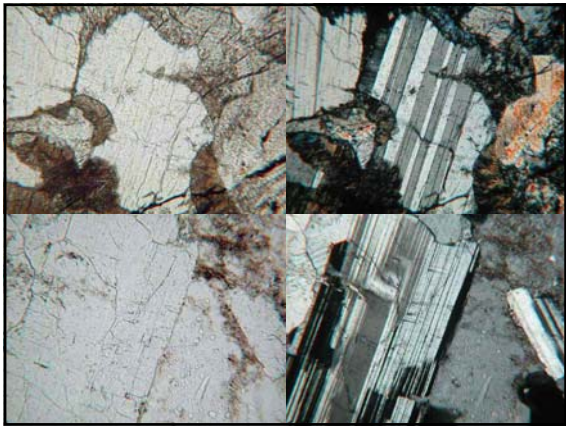
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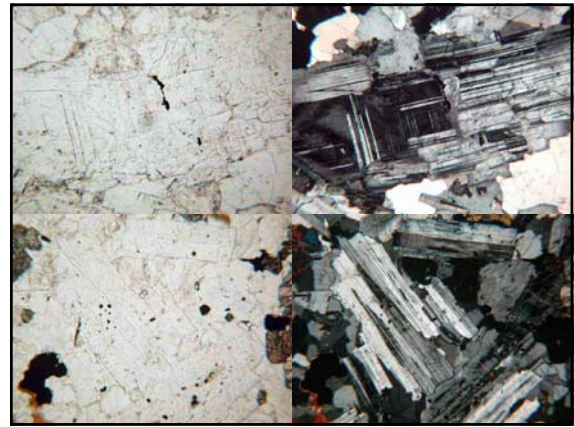
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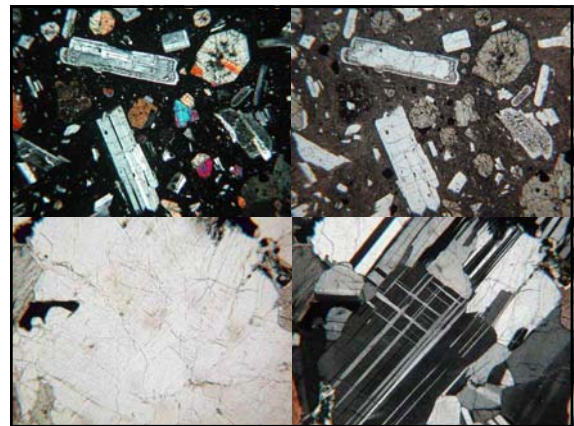
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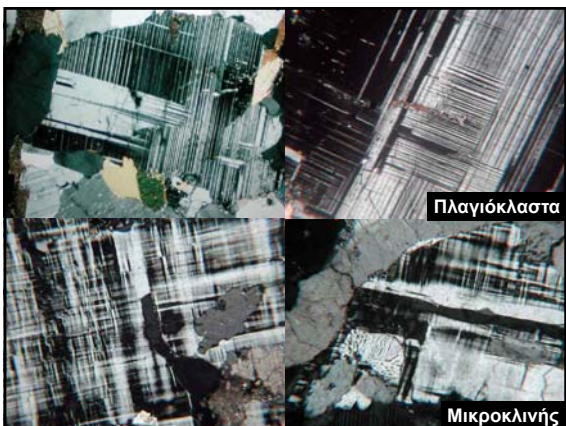
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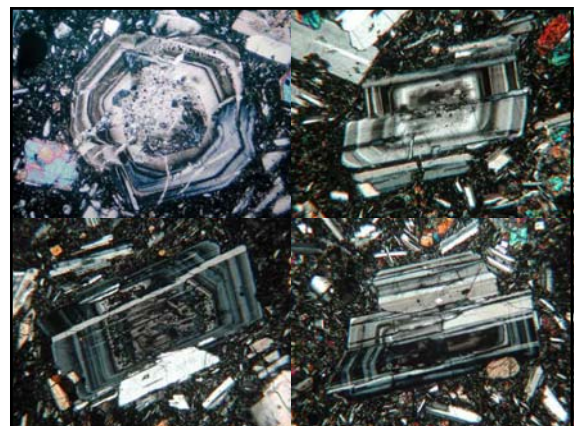
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59



60

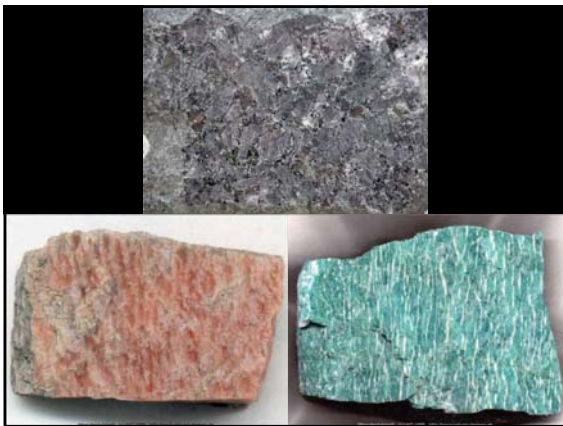
## ΠΕΡΘΙΤΕΣ

61

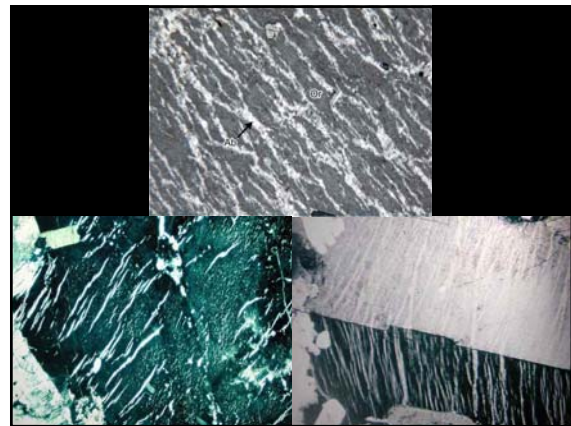
### Διάμειξη

- **Αλκαλιούχοι αστριοι.** Σε υψηλές θερμοκρασίες, K και Na πλήρως ανταλλάξιμα.
- Στο σύστημα  $KAlSi_3O_8$ - $NaAlSi_3O_8$  υπάρχει μόνο ένας μεικτός κρύσταλλος, μονοφασικός, συστάσεως  $(K,Na)AlSi_3O_8$ .
- Σε κανονικές θερμοκρασίες η ανταλλαξιμότητα K και Na είναι μικρή - λόγω διαφοράς μεγέθους των ιόντων τους.
- Με την πτώση της θερμοκρασίας, δημιουργούνται συμφύσεις νατριούχου και καλιούχου αστρίου, γνωστές ως **Περθίτες**.

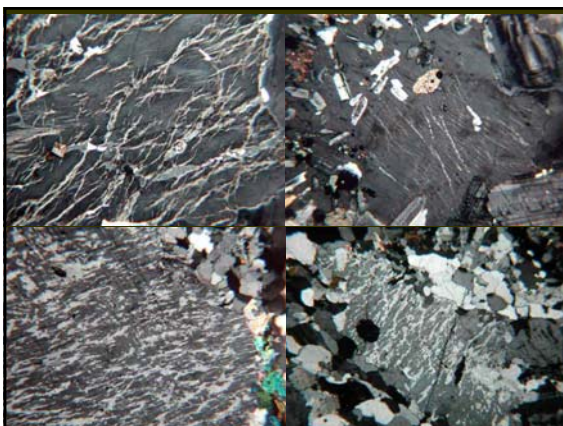
62



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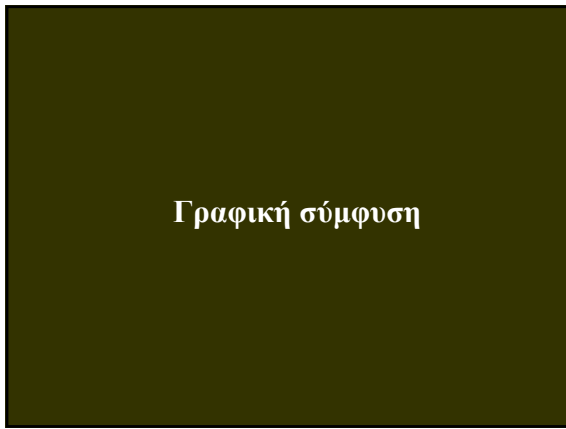


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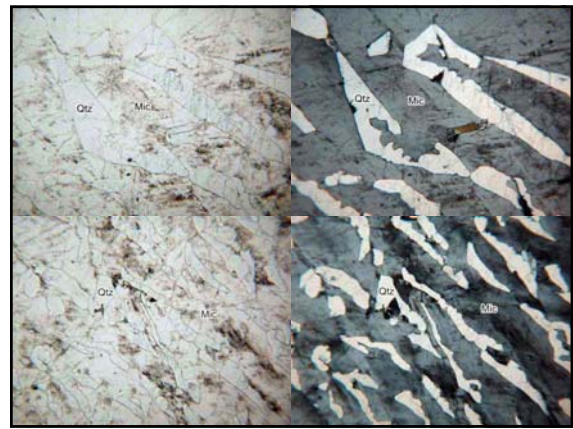
## ΣΥΜΦΥΣΕΙΣ

Γρανοφυρική  
Γραφική  
Μυρμηκίτης

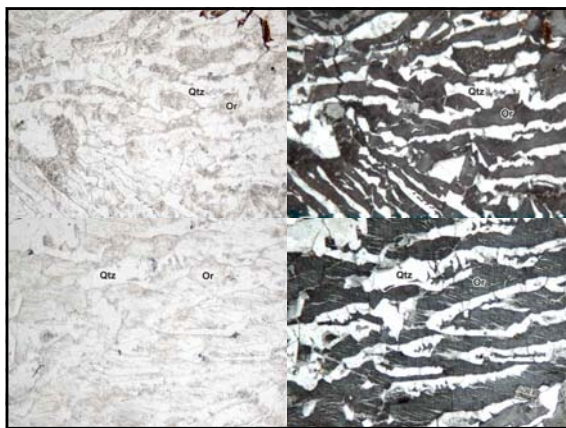
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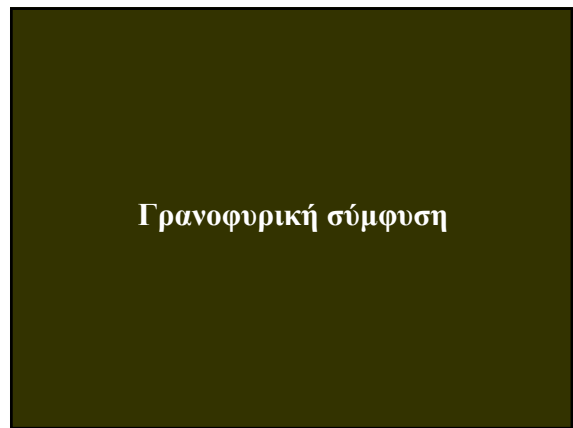
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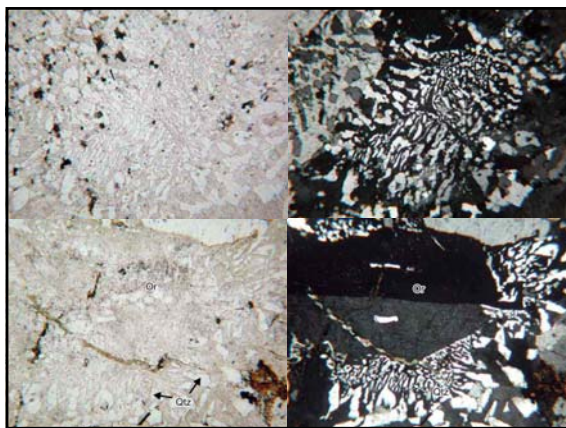
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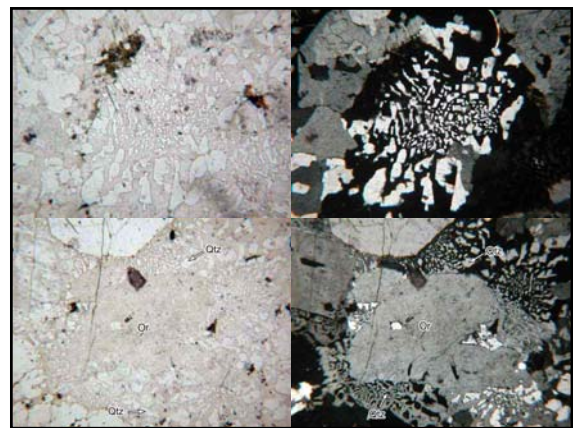
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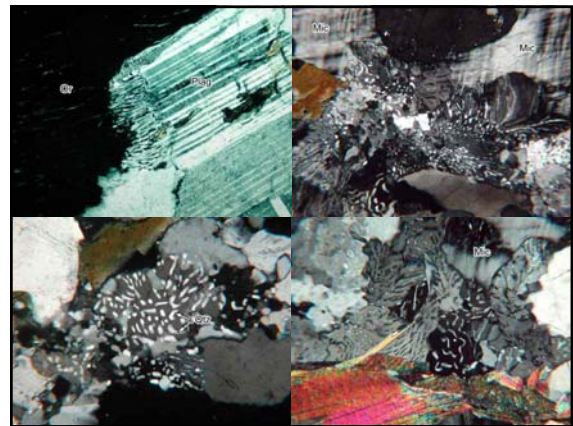
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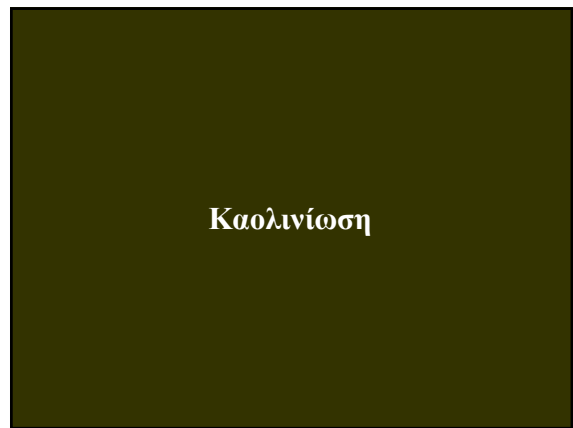
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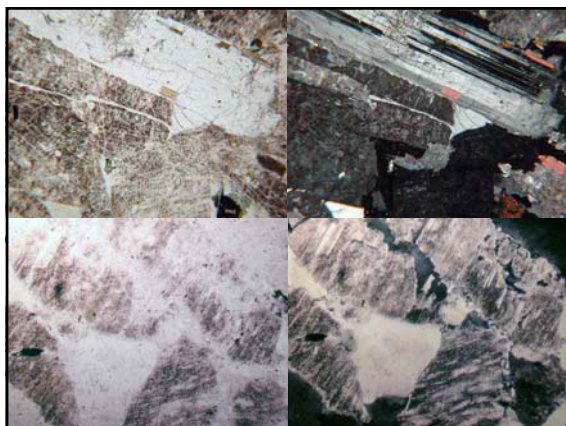
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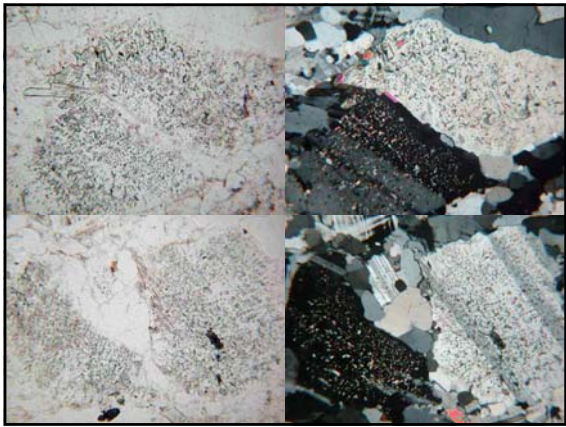
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77



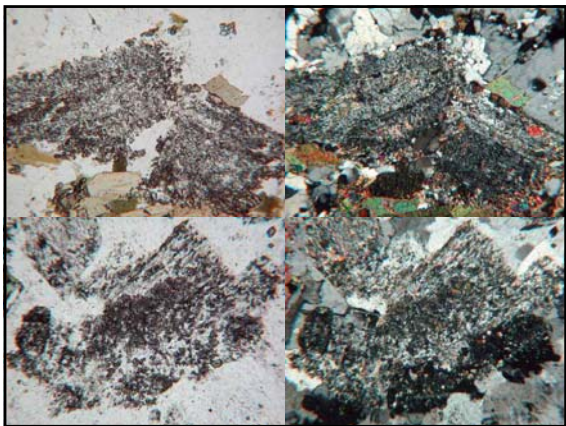
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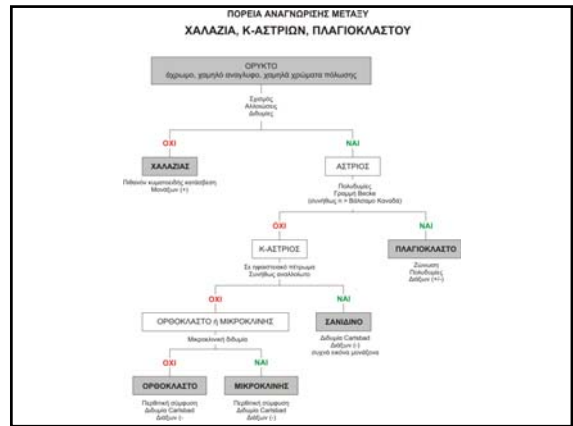
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80



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