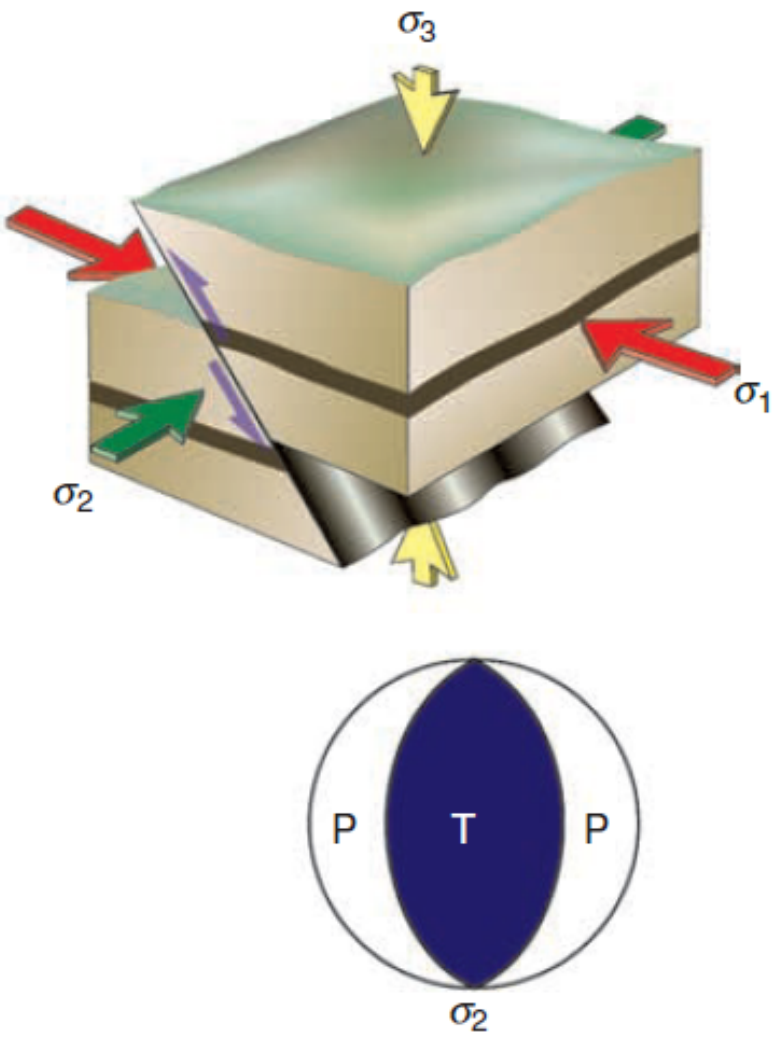
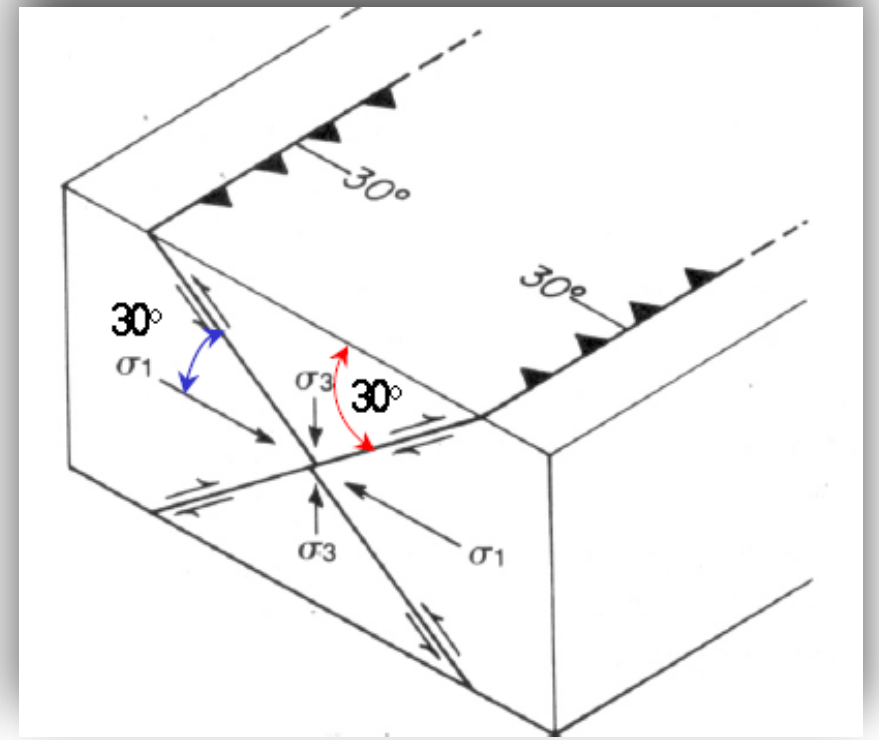
TERS VE BİNDİRME FAYLARI

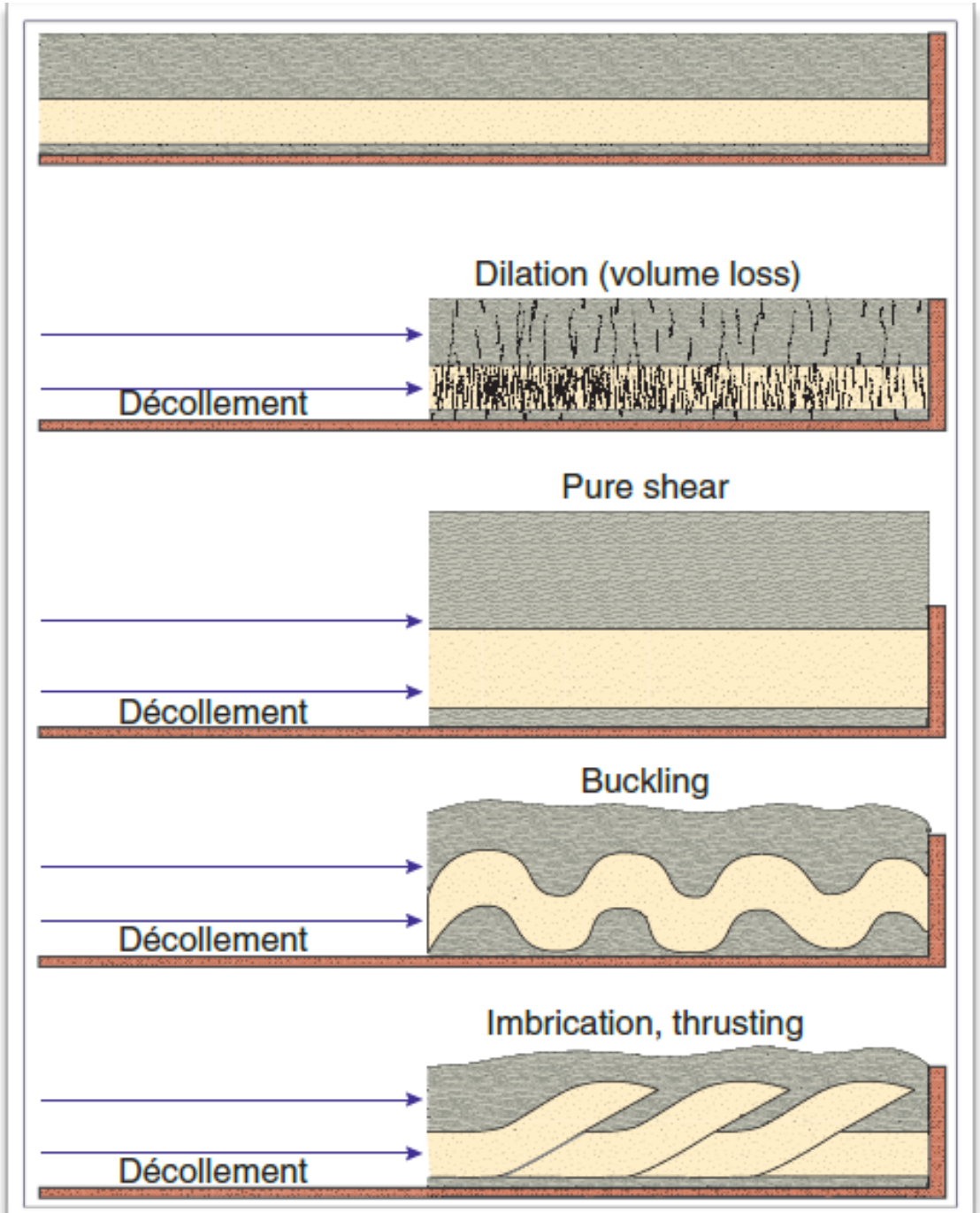


Ana gerilme eksenlerinden σ_1 ve σ_2 yataydır, bu durumda yerkabuğu kompresyon etkisindedir

En küçük gerilme ekseni (σ_3) düşeydir.

Fay yüzeyinin eğimi 45^0-$\phi/2$ ($\approx 30^0$)



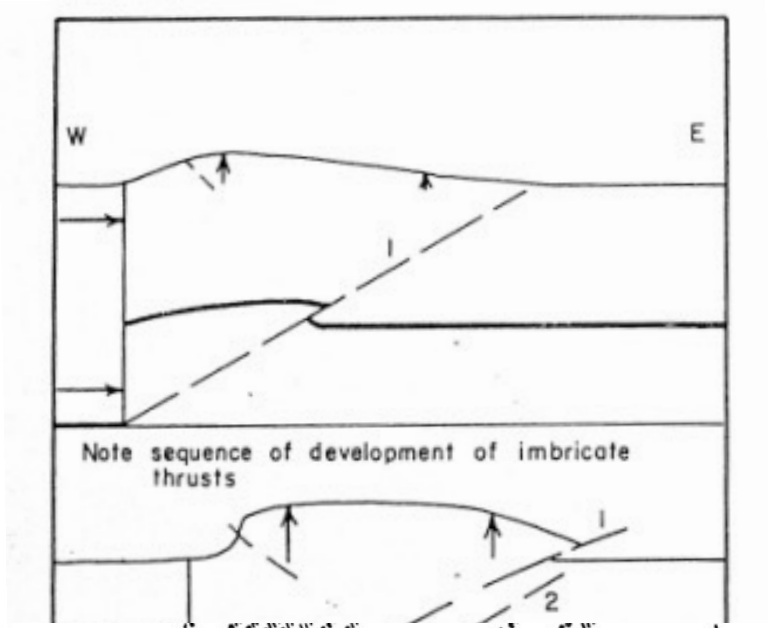

Dilation (volume loss)
Décollement
Pure shear
Décollement
Buckling
Décollement
Imbrication, thrusting
Décollement

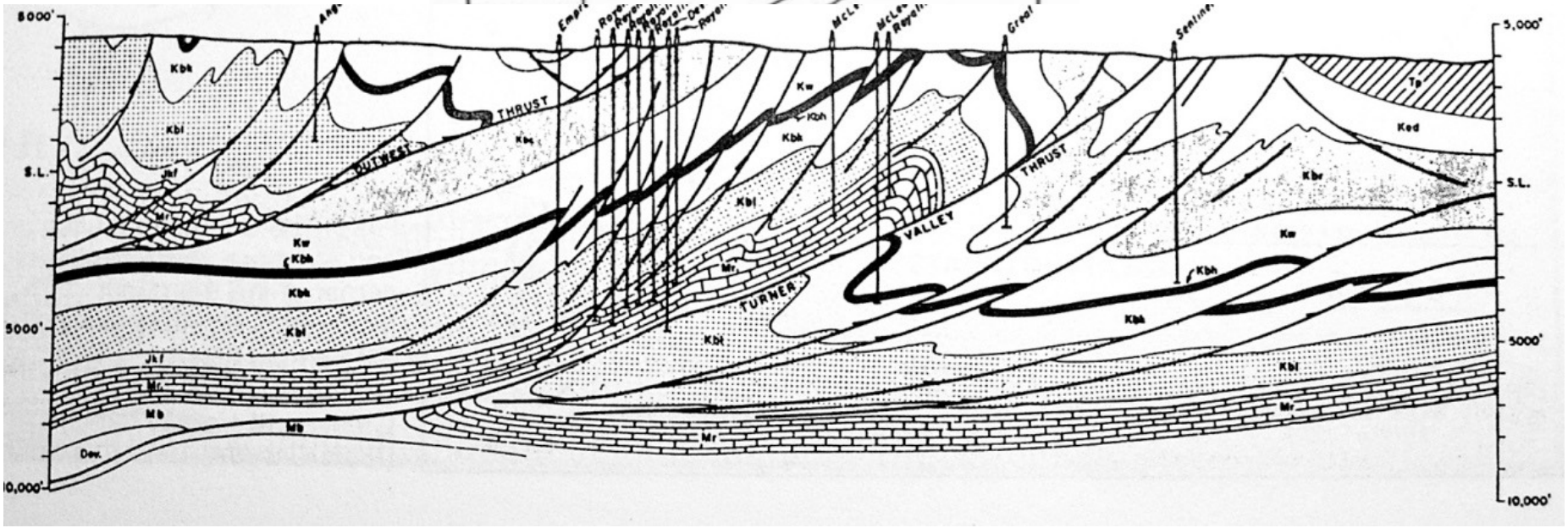
TERS VE BİNDİRME FAYLARI

GENEL ÖZELLİKLER

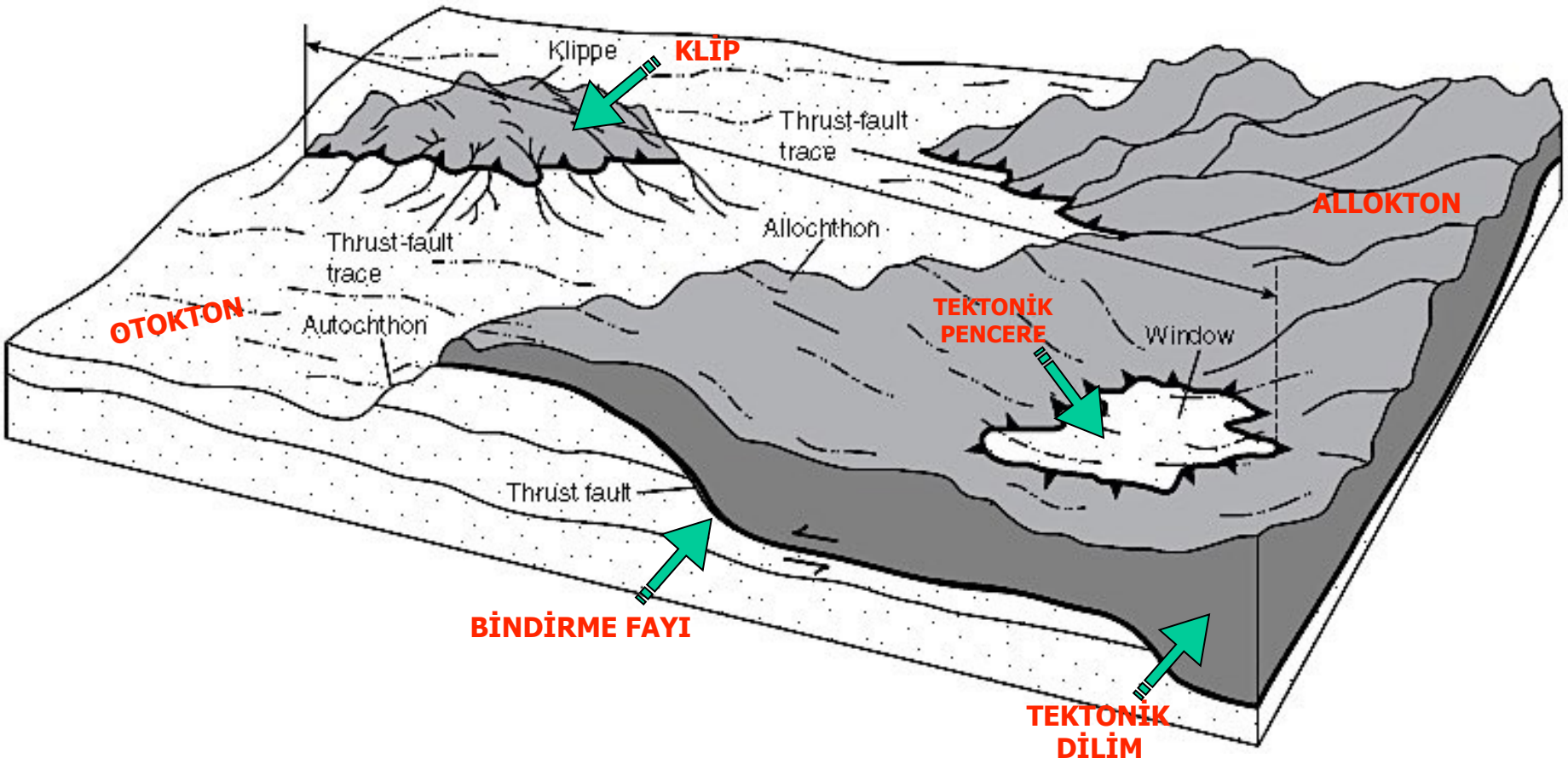
- SIKIŞTIRMA KUVVETLERİNİN ETKİSİ İLE OLUŞUR (KOMPRESYON)
- TAVAN BLOĞU TABAN BLOĞUNUN ÜZERİNE DOĞRU HAREKET EDER
- YERKABUĞUNDA ENCE DARALMA VE KALINLAŞMA MEYDANA GETİRİRLER
- DAĞ KUŞAKLARINDA ve YİTME ZONLARINDA BULUNURLAR
- YERKABUĞUNDA HER ÖLÇEKTE BULUNURLAR
- YERALTI SUYU, HİDROKARBON KAPANLARI VE MADEN YATAKLARININ OLUŞUMUNU KONTROL EDEBİLİR, EKONOMİK ÖNEMLERİ VARDIR
- GENELLİKLE DÜŞÜK EĞİMLİDİR VE ATIMLARI YÜZLERCE KM YE ULAŞABİLİR

- YERKABUĞUNDA ENCE DARALMA VE KALINLAŞMA MEYDANA GETİRİRLER





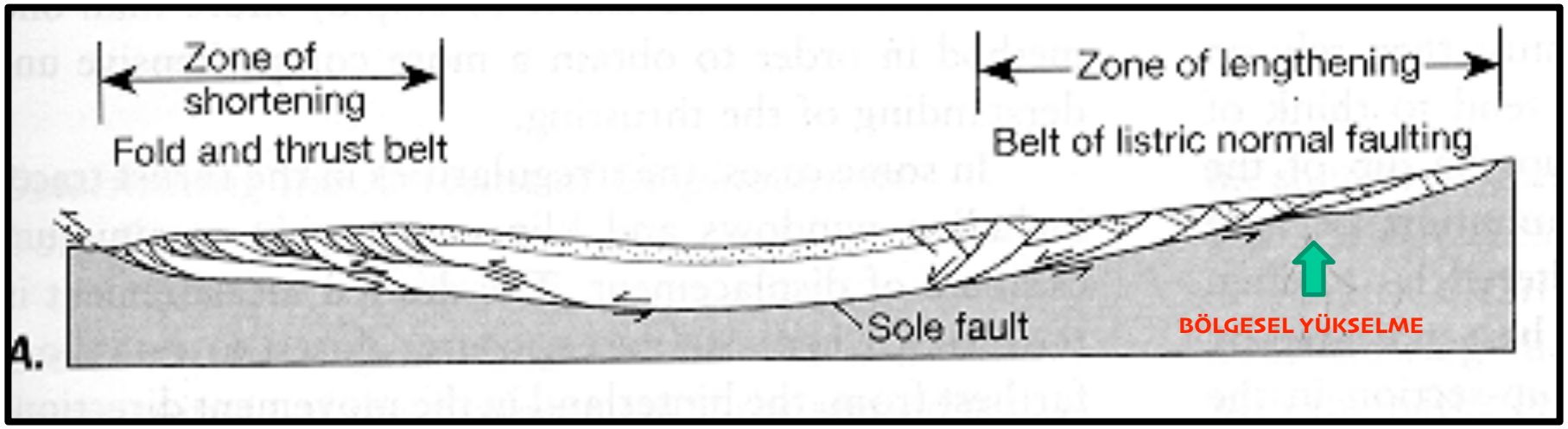
BİNDİRME FAYLARININ TERİMLERİ

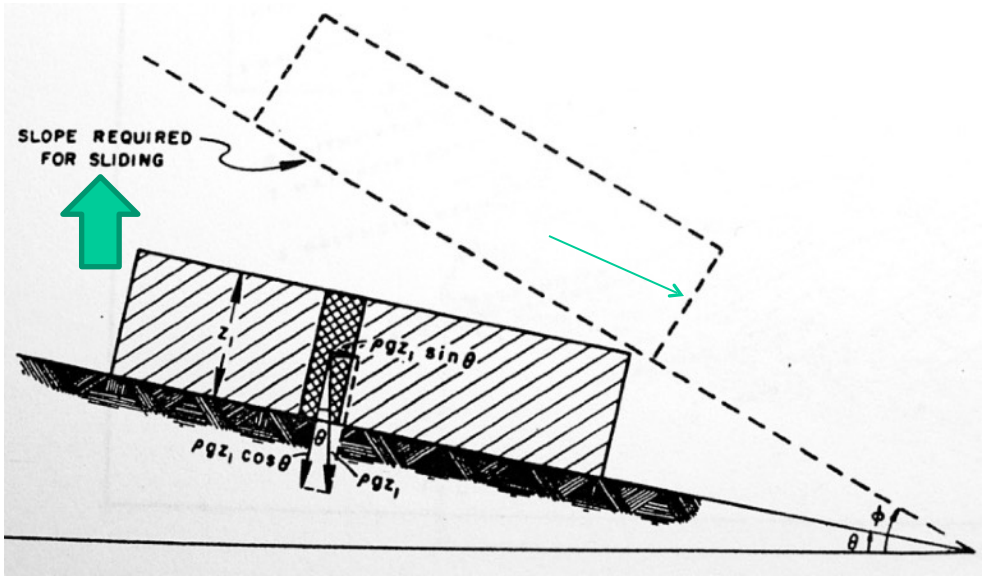


TERS VE BİNDİRME FAYLARI

OLUŞUM ORTAMLARI

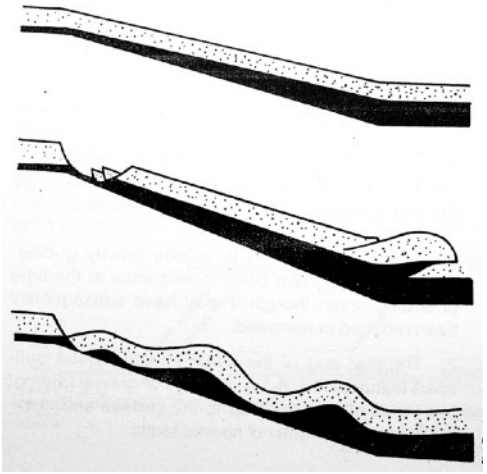
Gravite kaymalarına bağlı tektonik dilimlerin Önündeki kıvrım-fay kuşağında



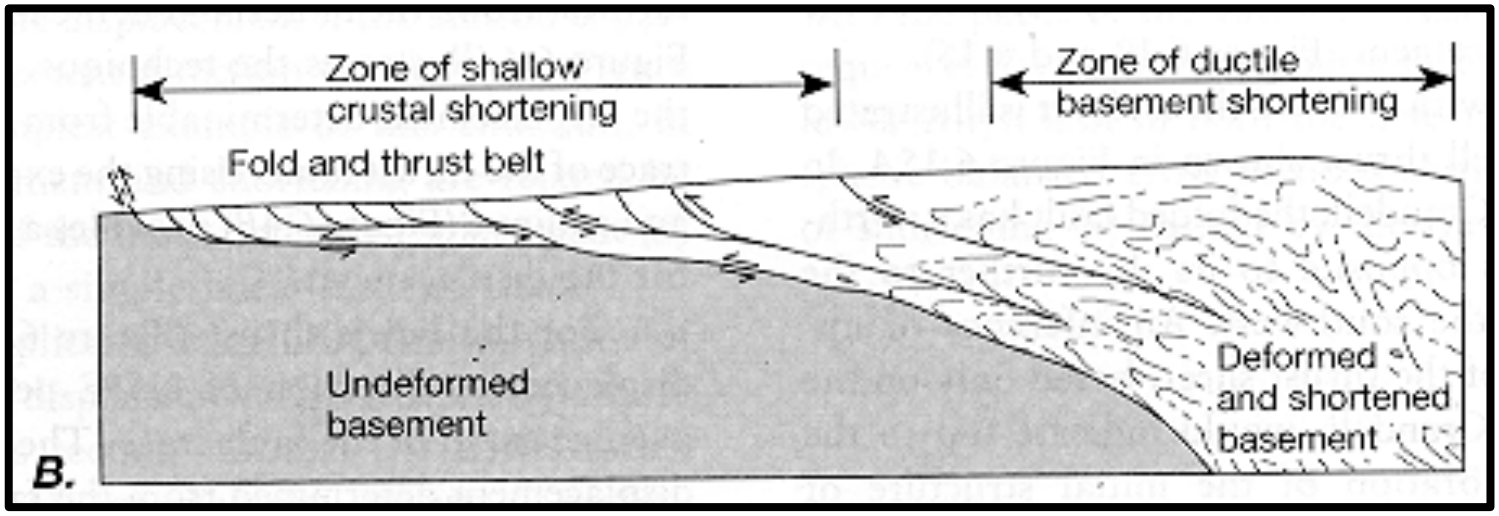


BÖLGESEL YÜKSELME

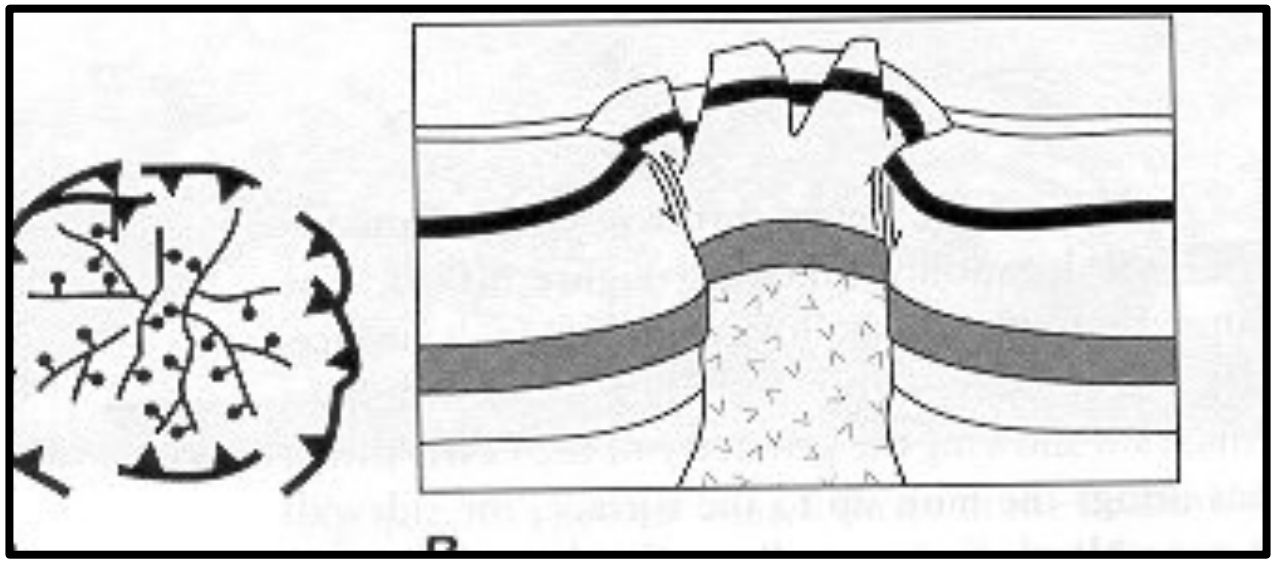
BÖLGESEL YÜKSELME



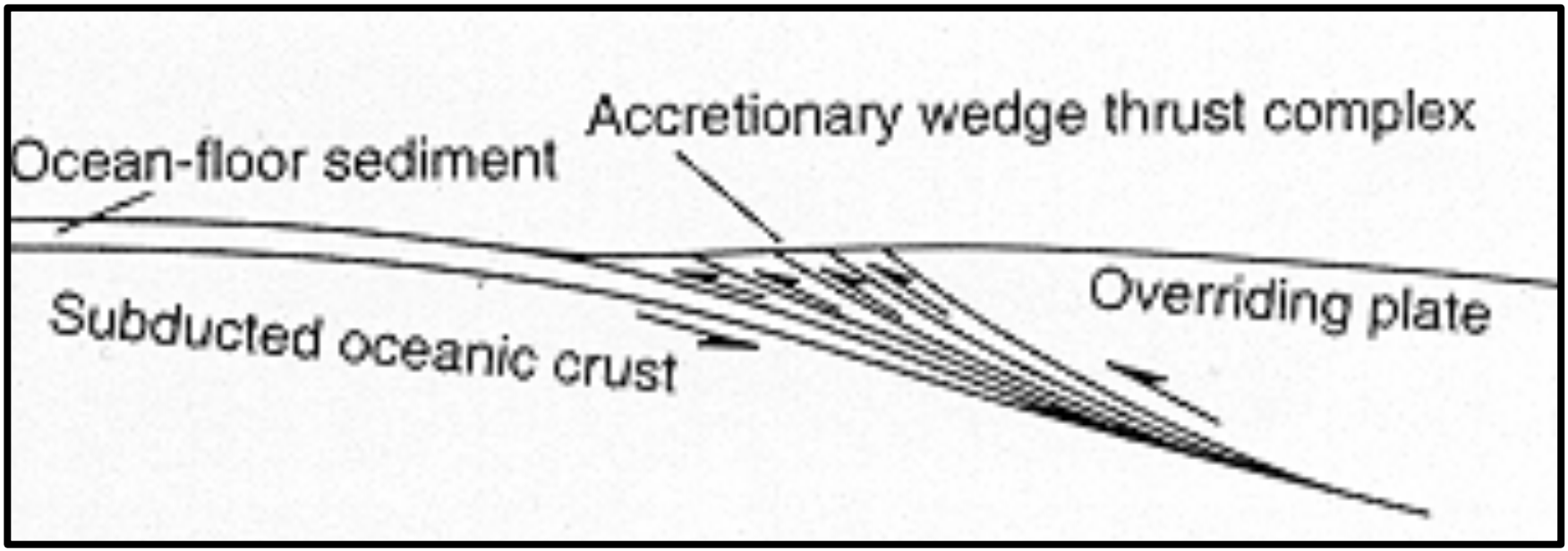
Dağ kuşaklarında



Tuz domlarının ve plutonların çevresinde

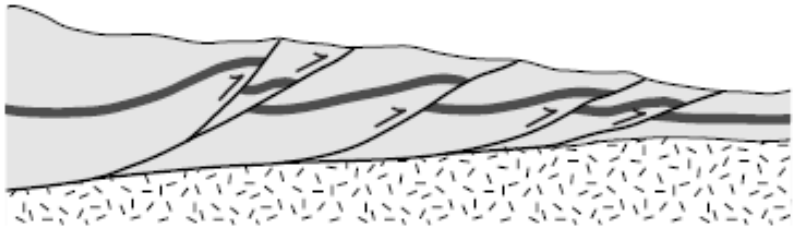


Yaklaşan levha sınırları boyunca

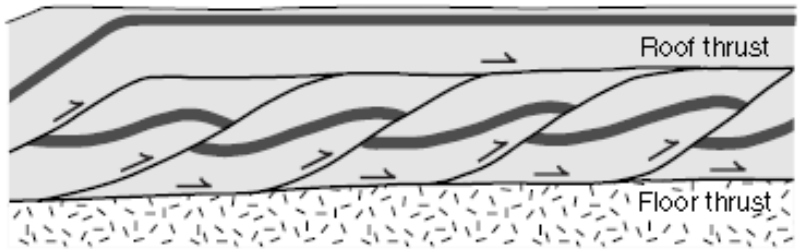


BİNDİRME FAYLARININ SİSTEMLERİ

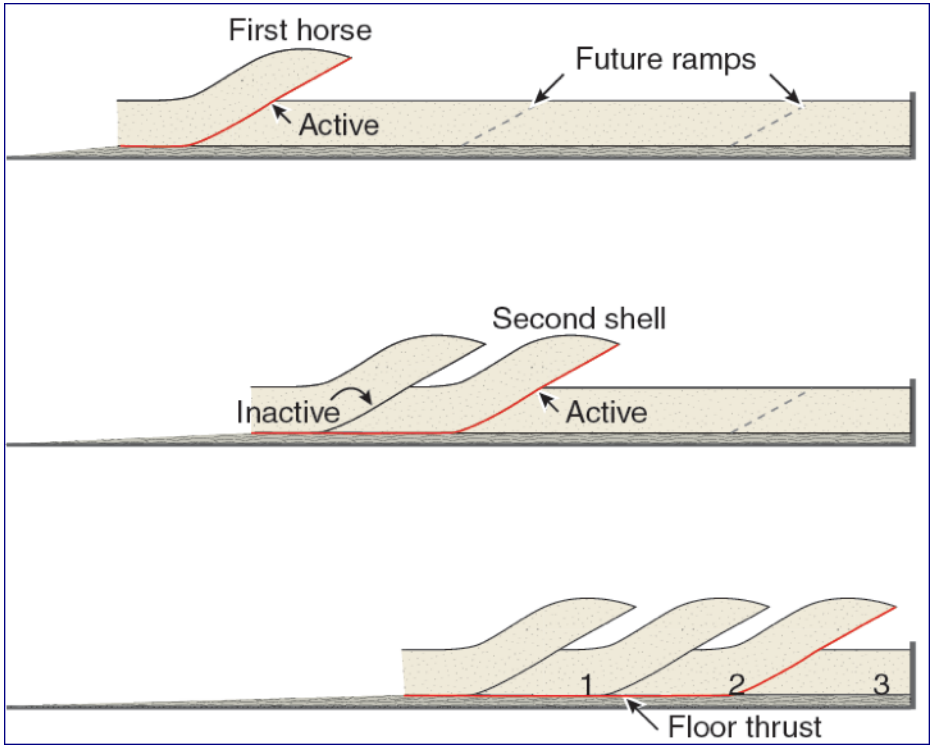
KİREMİT BENZERİ DİZİLİM
(Imbricate fan)



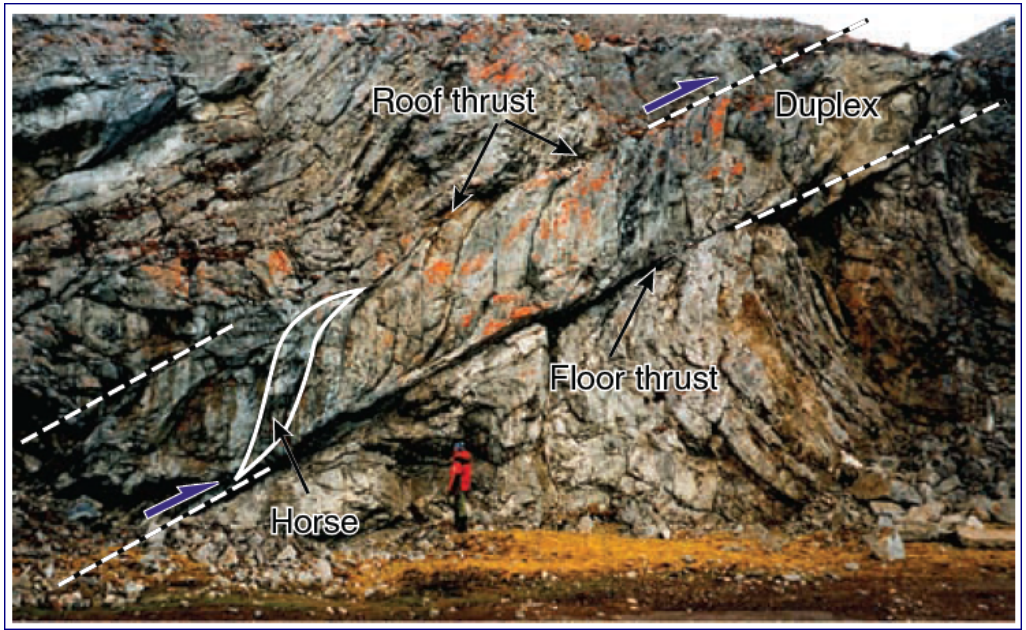
(a)

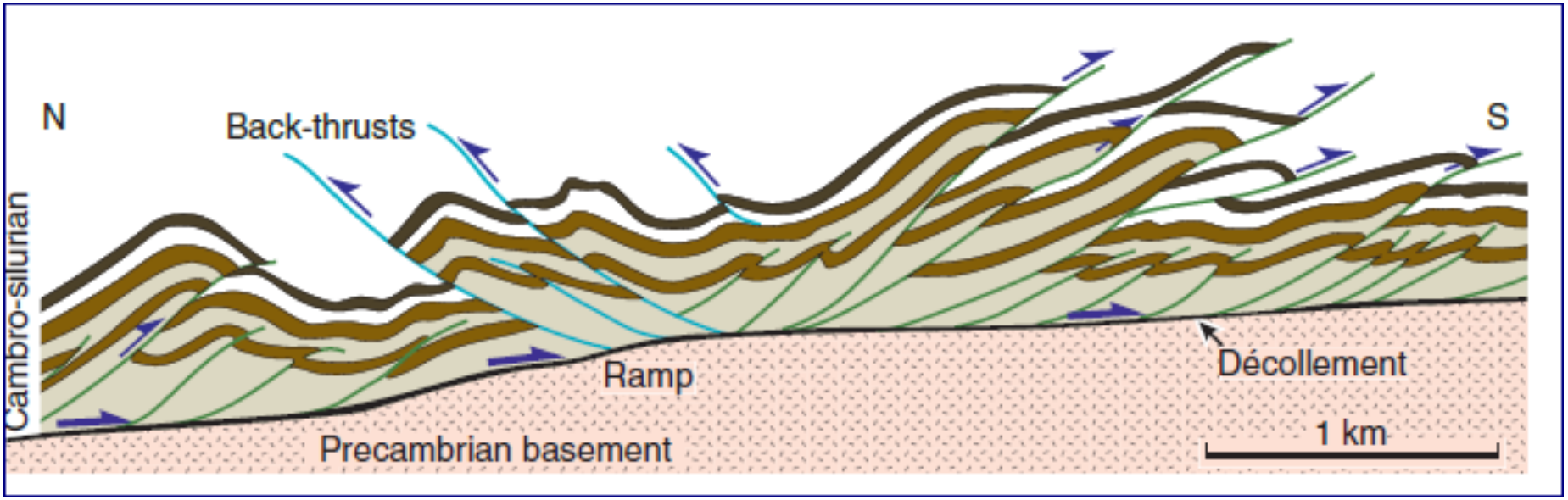


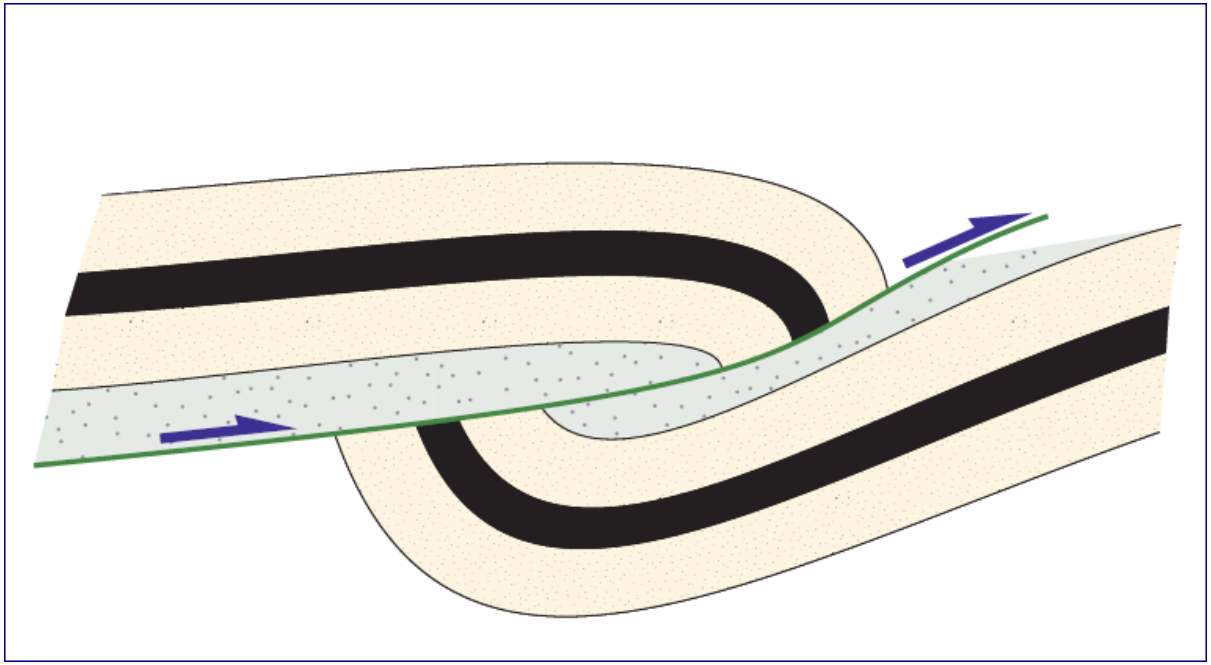
(b)



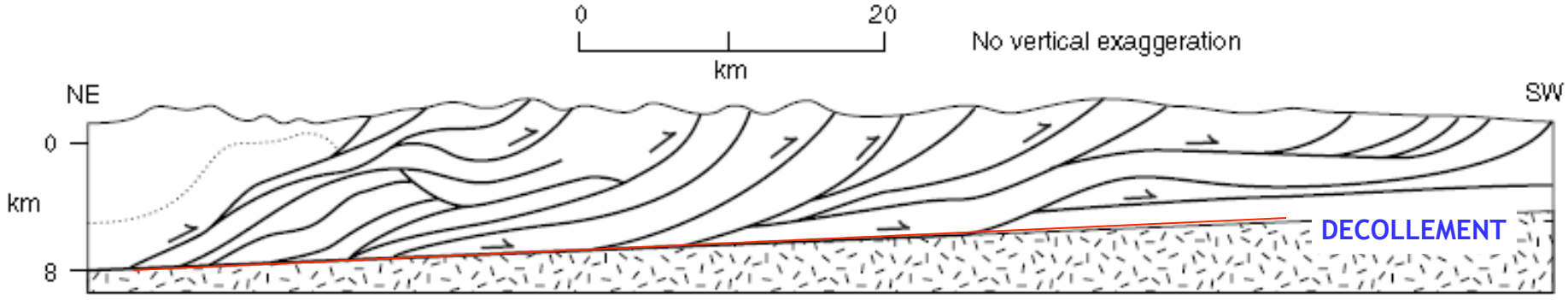
KATLI YAPI
(Duplex yapı)

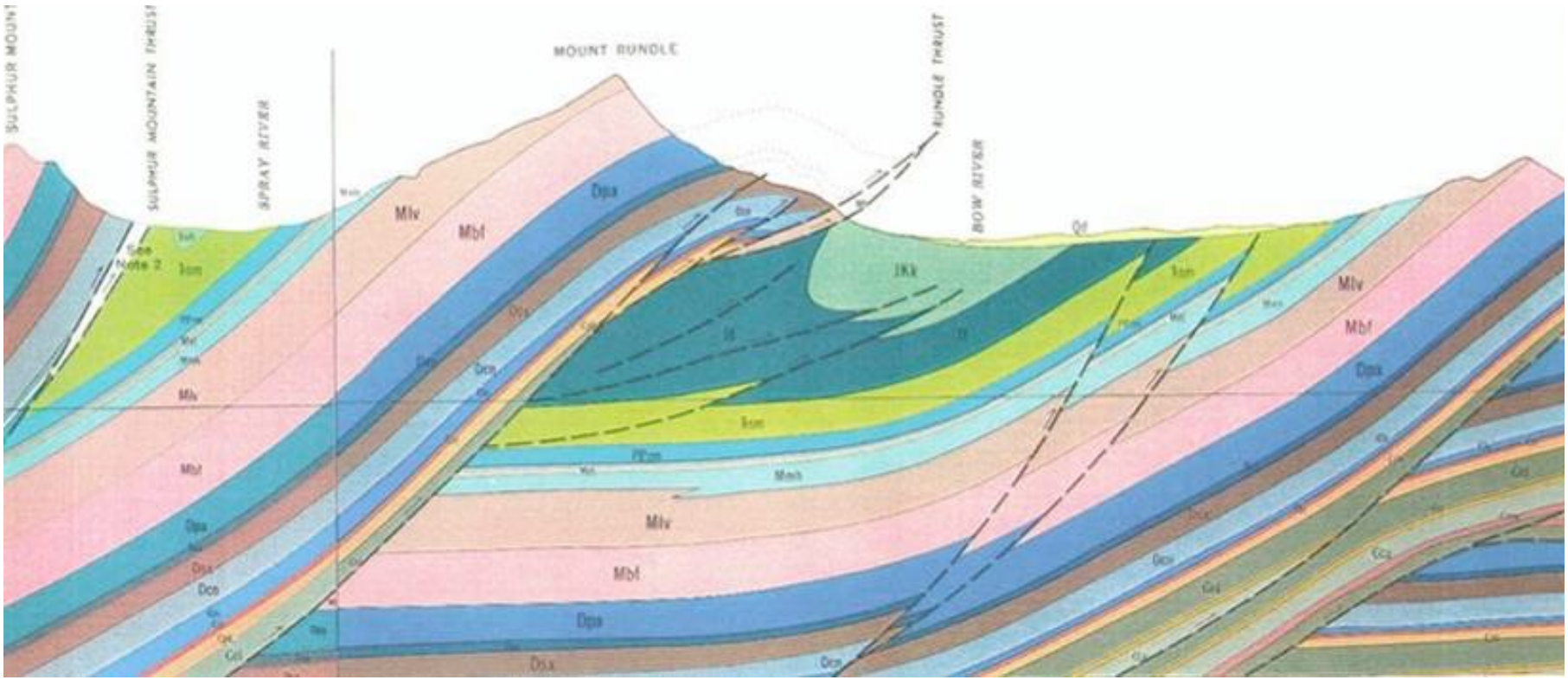



N
Back-thrusts
S
Cambro-silurian
Ramp
Décollement
Precambrian basement
1 km



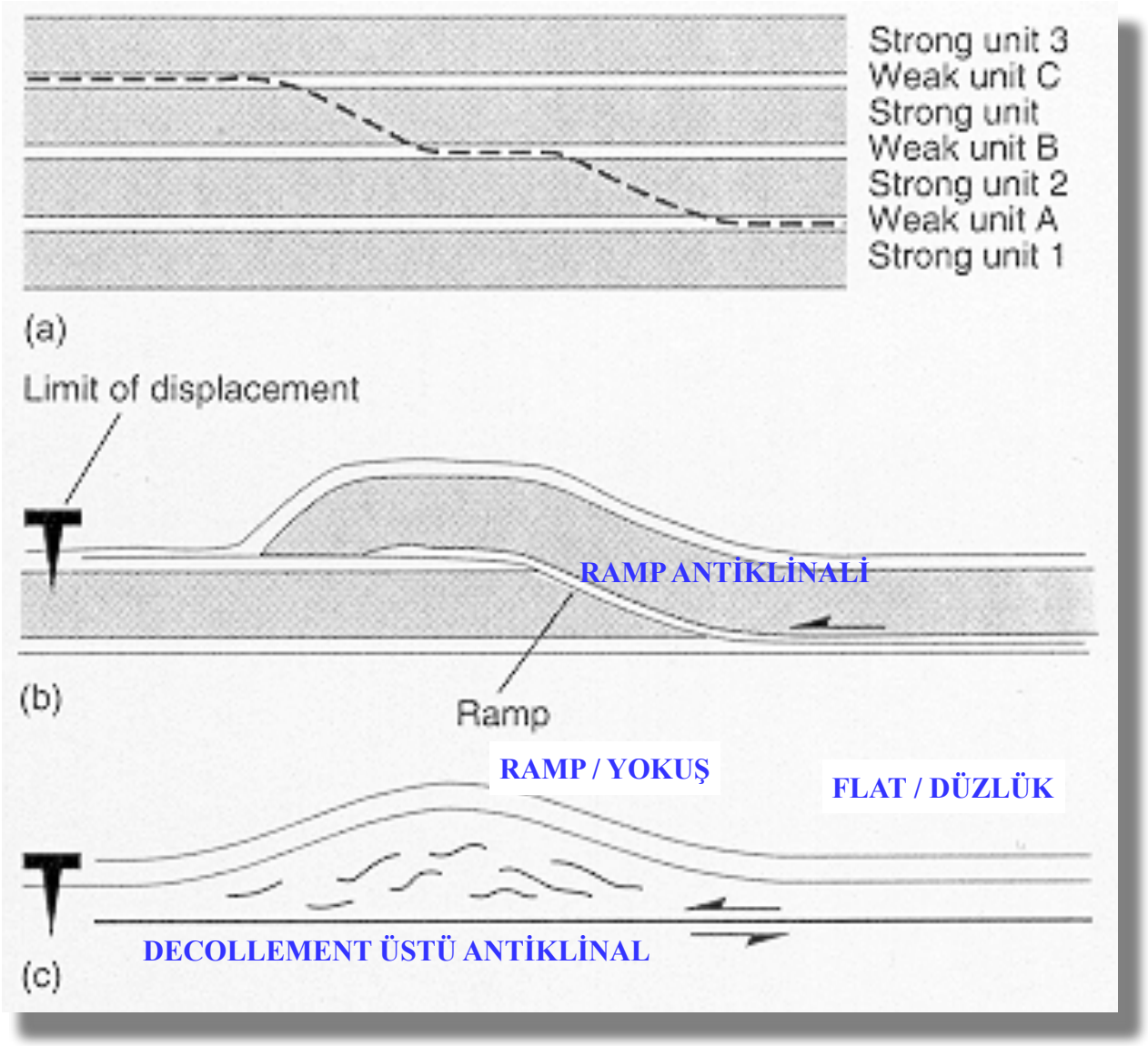
İNCE KABUK DEFORMASYONU
(Thin-skin Deformation)





TERS VE BİNDİRME FAYLARI

TABAKA BİNDİRME FAYLARI

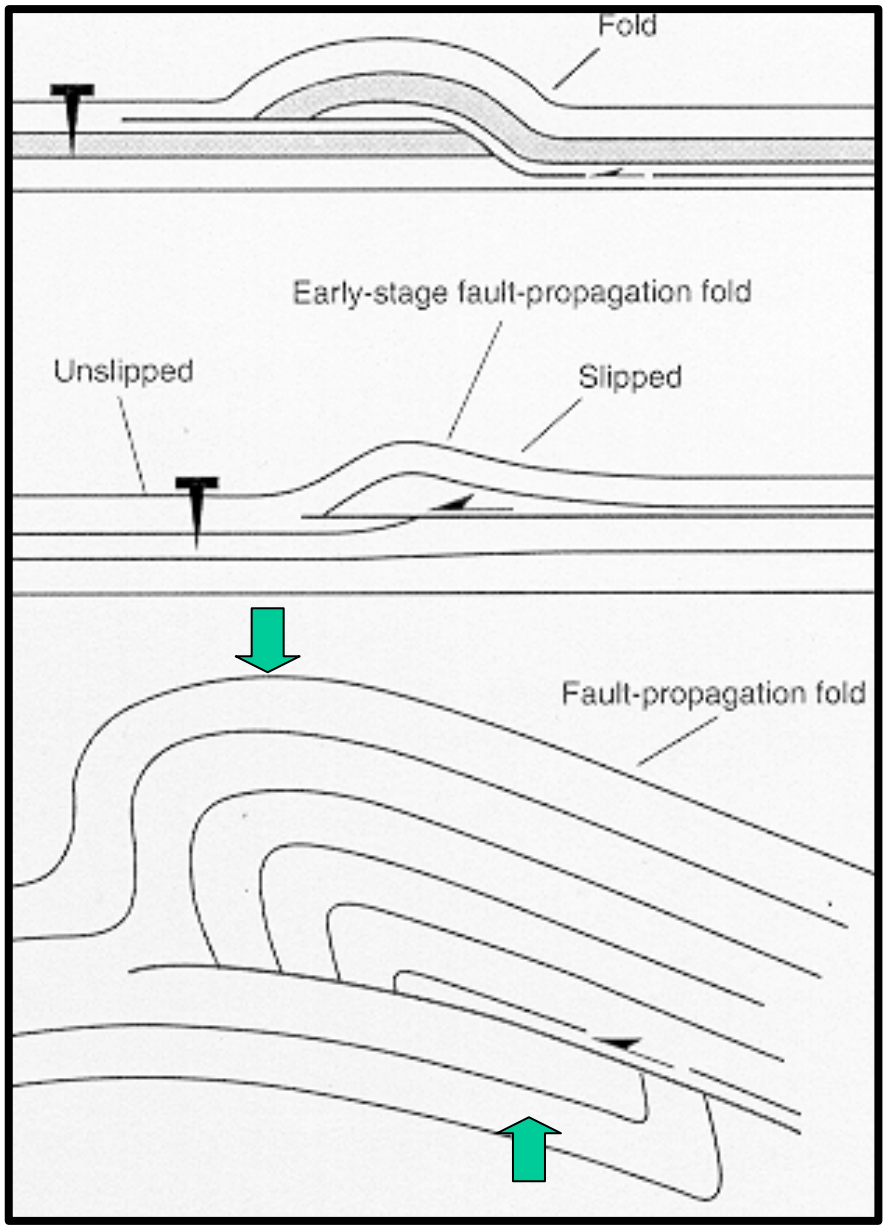


TABAKA BİNDİRME FAYLARI
ZAYIF (incompetent) TABAKALARI İZLER

Çamurtaşı
Şeyl
Kiltaşı ve
Evaporit düzeyleri
Tabaka bindirme fayları
için uygun litolojilerdir

TABAKA BİNDİRME FAYI = DECOLLEMENT

TERS VE BİNDİRME FAYLARI

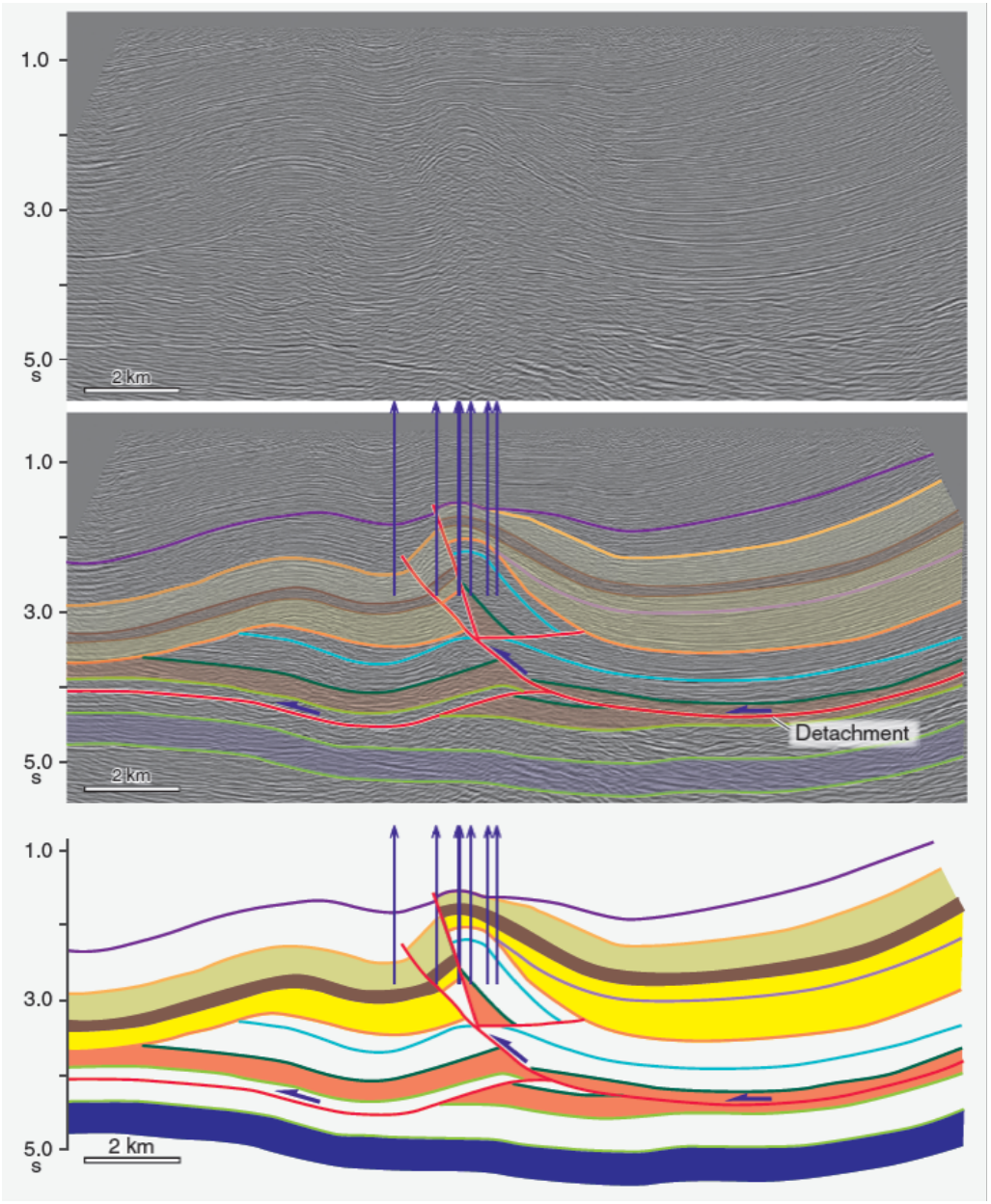


BİNDİRME FAYLARINA BAĞLI KIVRIMLAR

YOKUŞ ANTİKLİNALİ

KÖR BİNDİRME

FAYA BAĞLI ANTİKLİNAL ve SENKLİNAL


1.0
3.0
5.0
s
2 km
1.0
3.0
5.0
s
2 km
Detachment
1.0
3.0
5.0
s
2 km

TERS VE BİNDİRME FAYLARI

Hacim artışı olan alanlarda maden yatakları, petrol gibi ekonomik özellikleri içerebilir.