



Tema 8.

Xeomorfología litolóxica

TIPO DE ROCHA

A photograph of a layered rock formation. The top part of the image shows a white, horizontally layered rock face. Below this, the rock becomes reddish-brown and more eroded, showing vertical grooves and a more textured surface. The sky is a clear, bright blue.

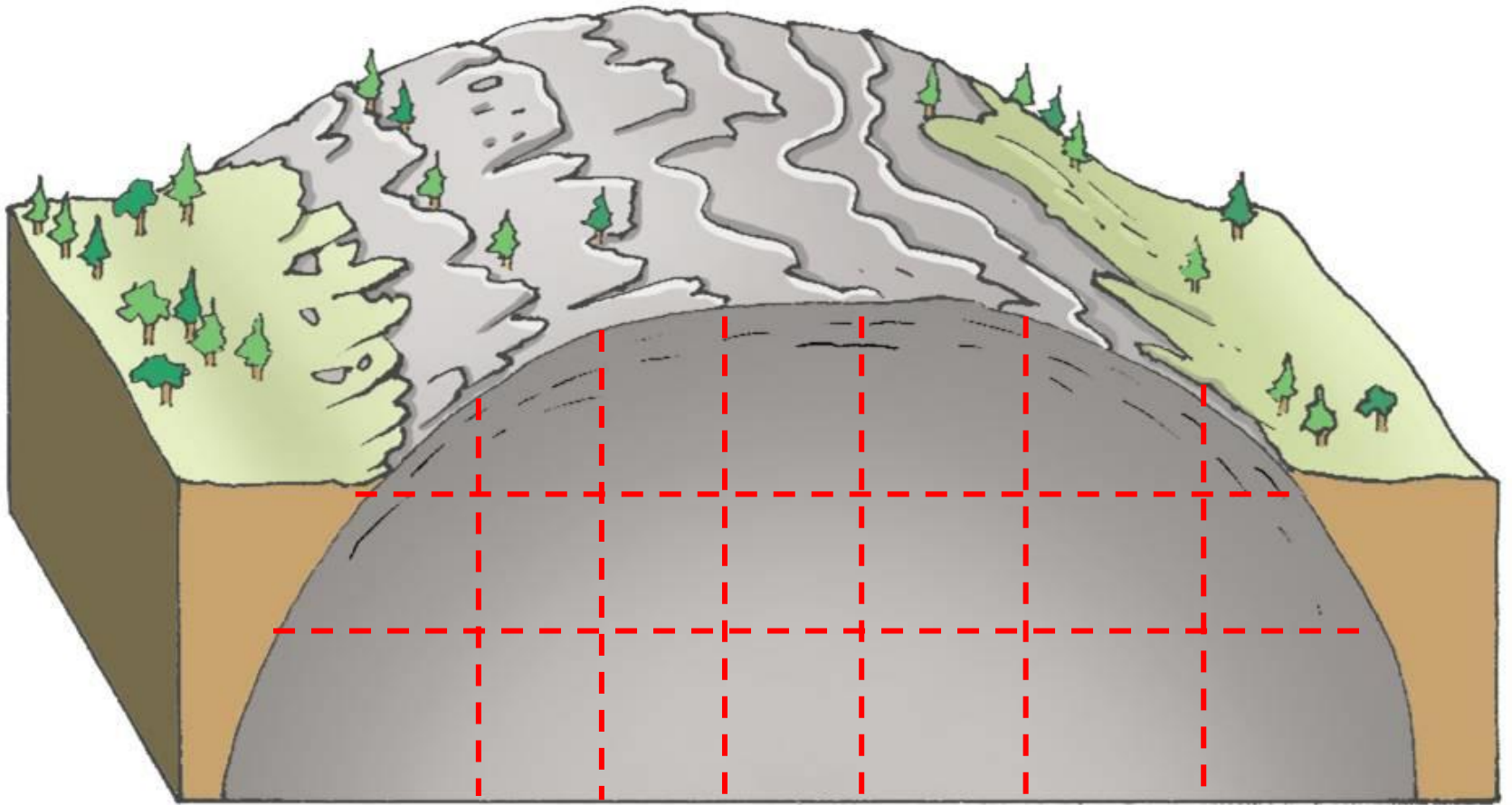
GRANÍTICA E CÁRSTICA

ΧΕΟΜΟΡΦΟΛΟΪΑ ΓΡΑΝΪΤΙΚΑ

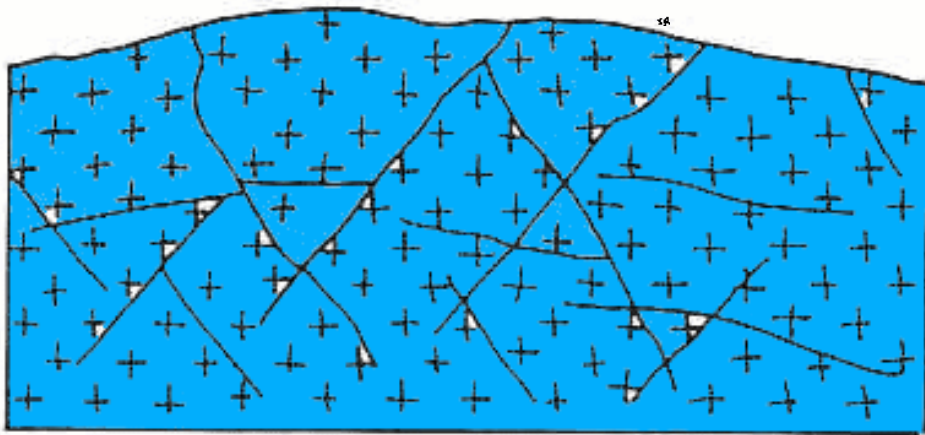




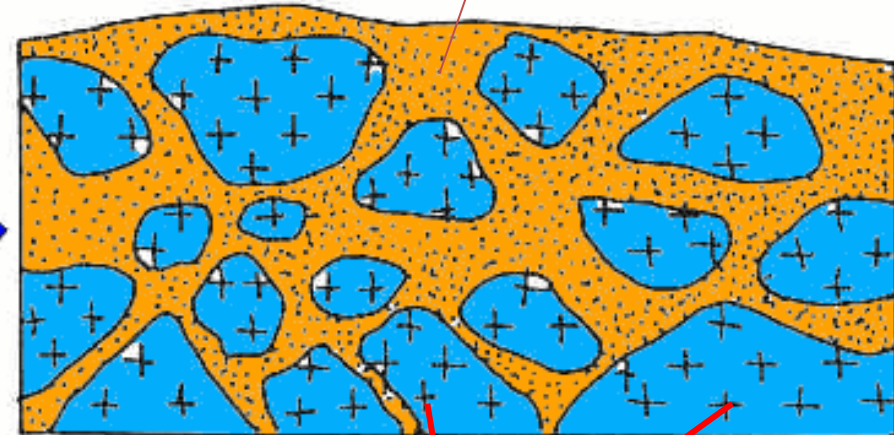
INTENSA FRACTURACIÓN



A AUGA CIRCULA POLAS FENDAS DA ROCHA PRODUCINDO HIDRÓLESE



Macizo granítico



Xabre

Granito inalterado

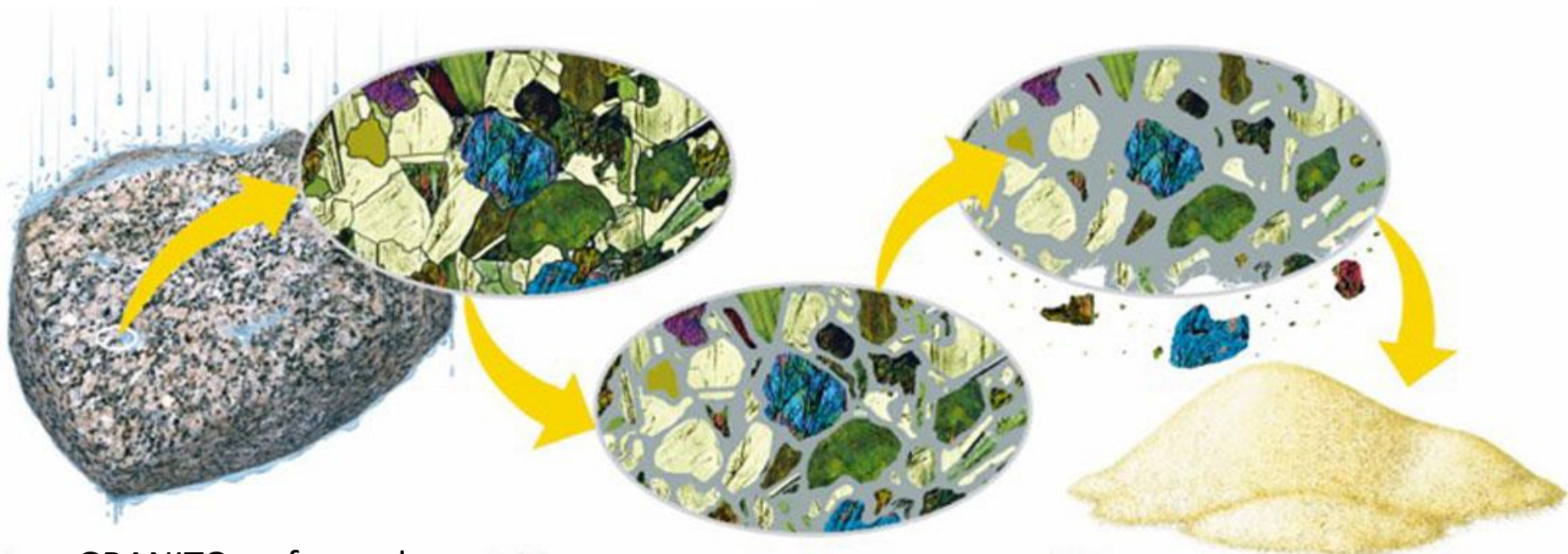
METEORIZACIÓN POR HIDRÓLISE



MINERAL
CONSISTENTE

MINERAL NON
CONSISTENTE

METEORIZACIÓN DO GRANITO POR HIDRÓLESE



GRANITO formado principalmente por cuarzo e feldespatos

Por hidrólise os feldespatos se transforman en arxilas

XABRE: area con grans de cuarzo nunha matriz arxilosa

SAPROLITA (XABRE)

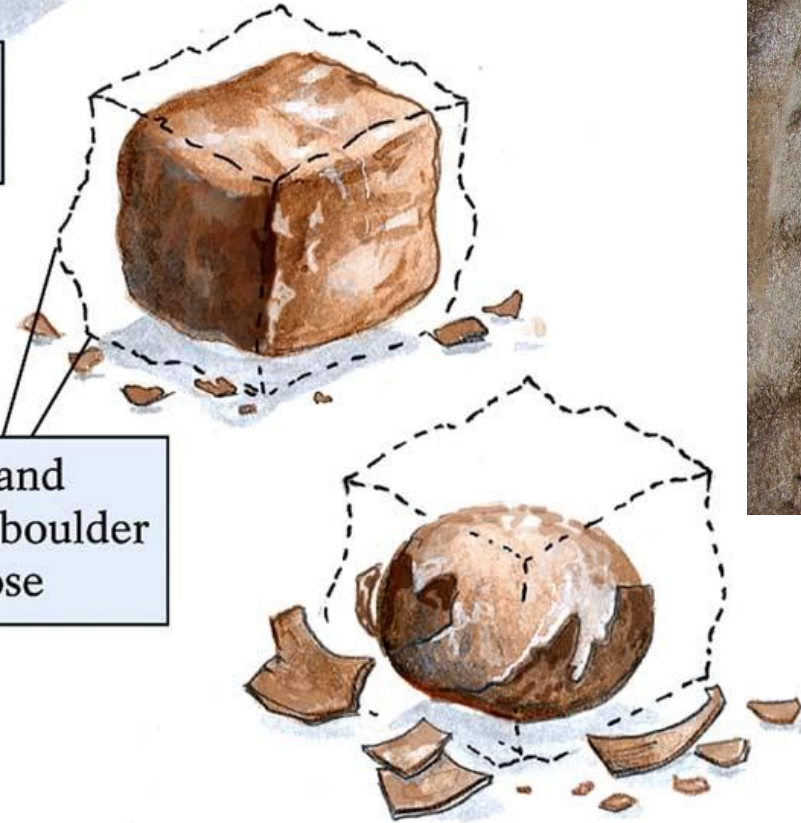




METEORIZACIÓN ESFEROIDAL



1 Angular boulder

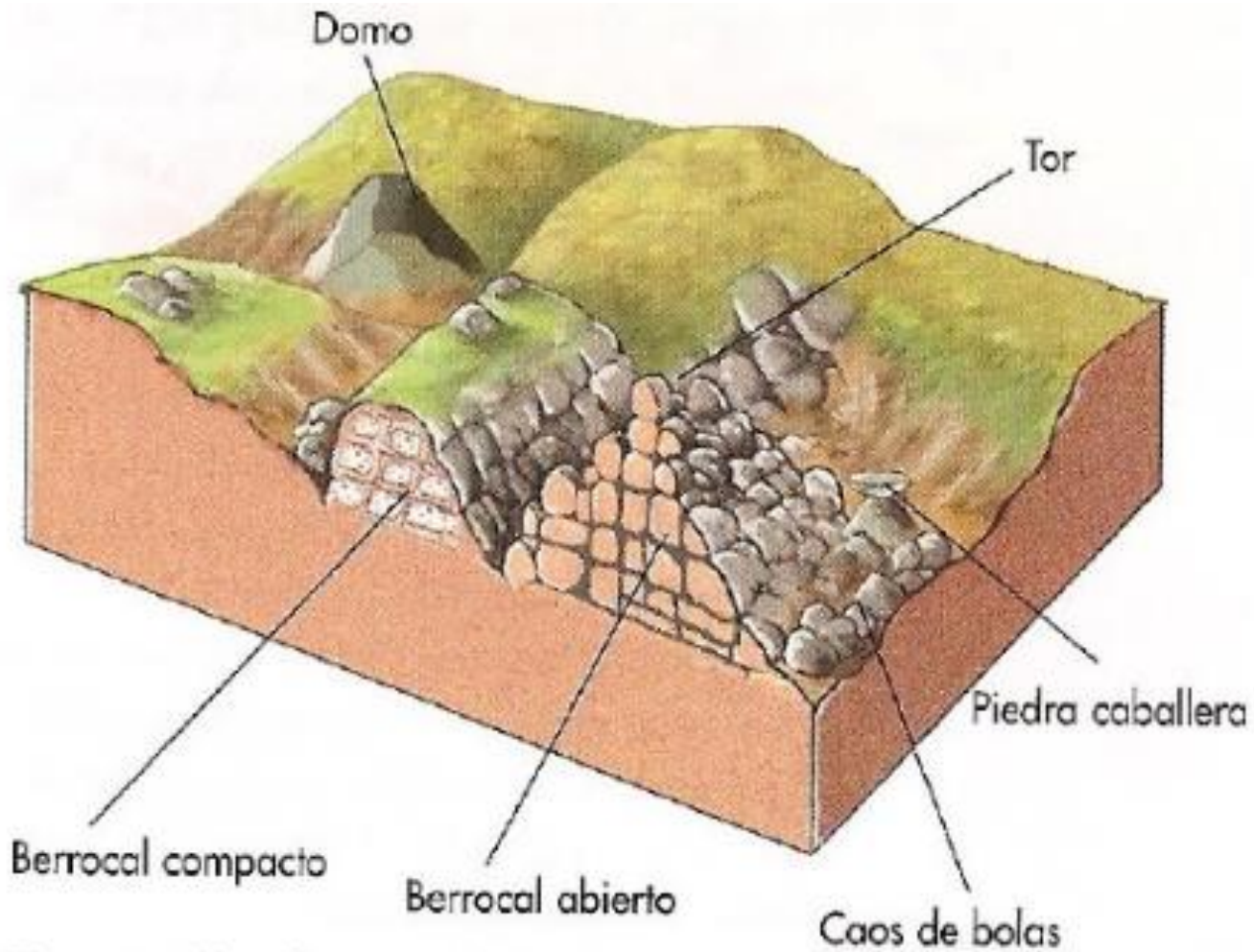


2 Corners and edges of boulder decompose

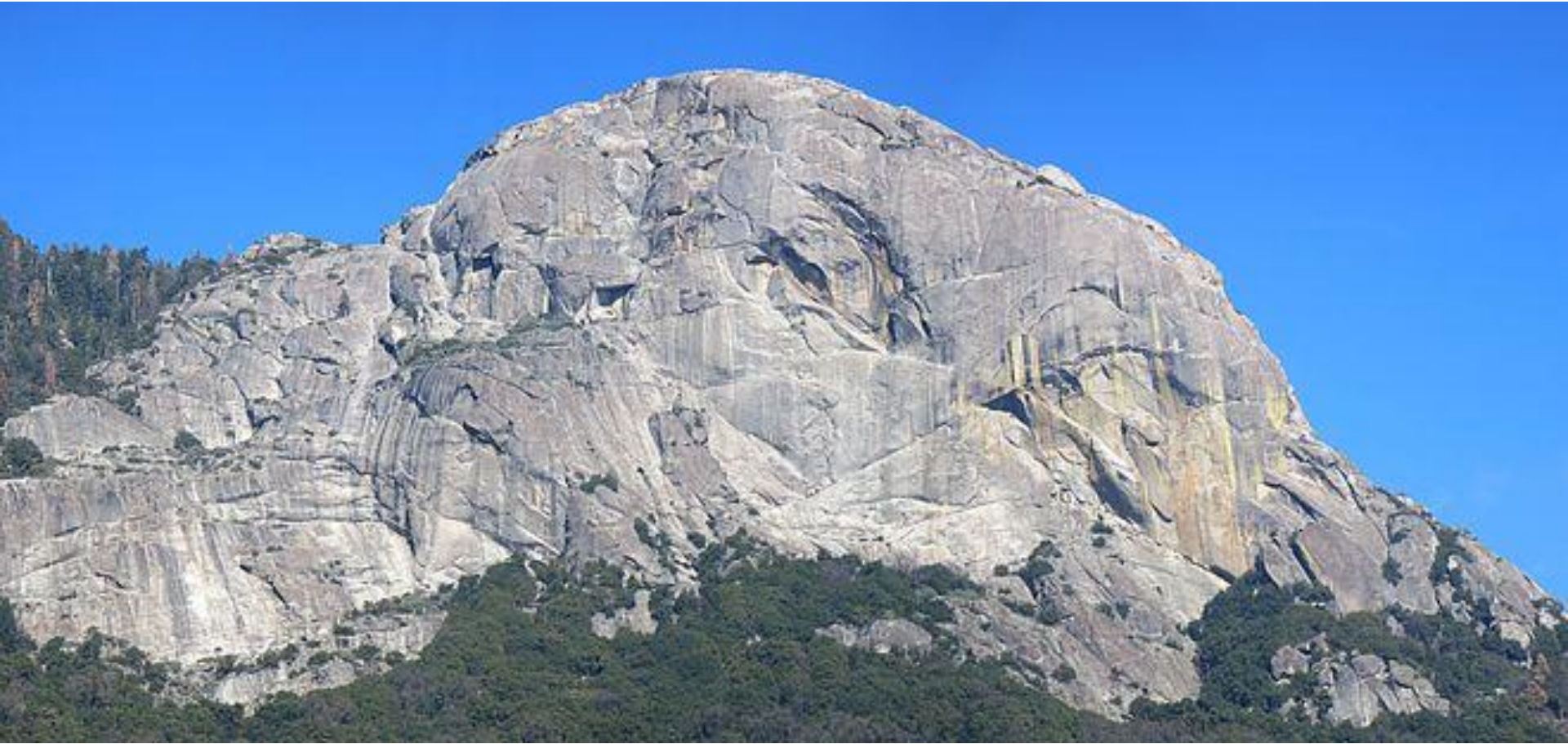
3 Rounded boulder



Caos de bolos, de bloques ou berrocal



DOMO GRANÍTICO



TORS OU CASTELOS



PEDRAS CABALEIRAS



MICROFORMAS



A meteorización do granito pode provocar cavidades na rocha chamadas pías ou taffonis como estas de Ézaro.



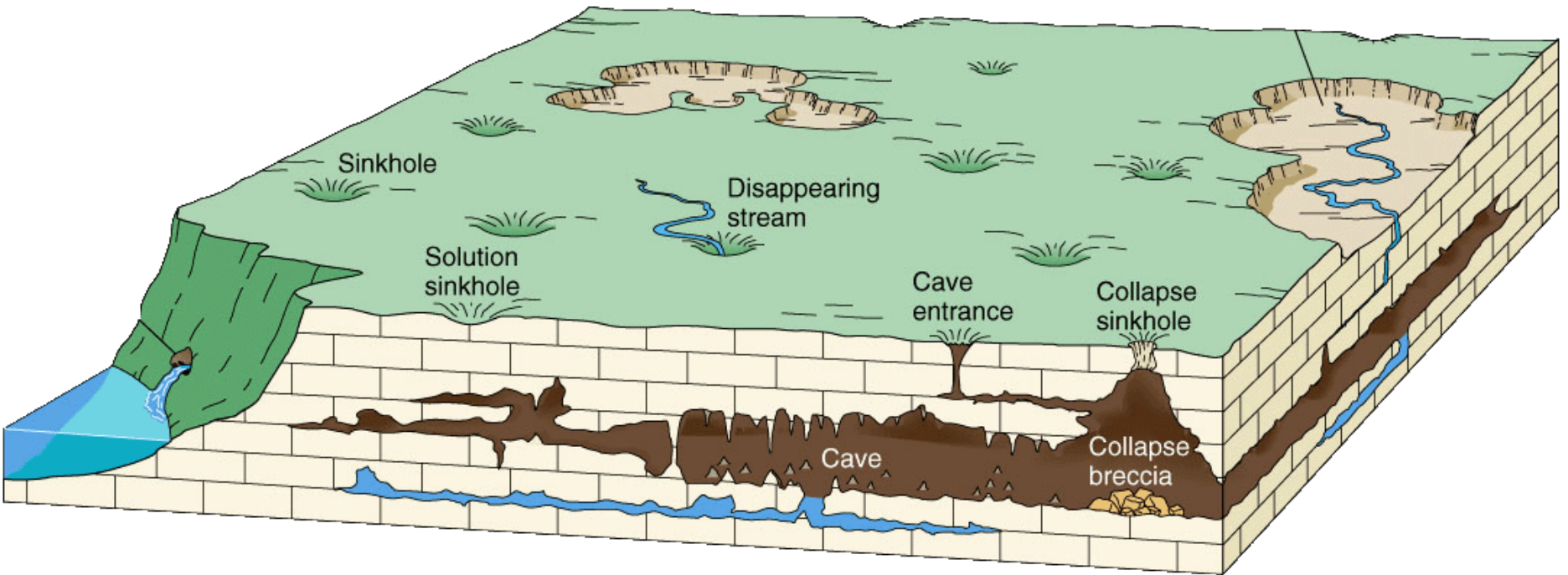






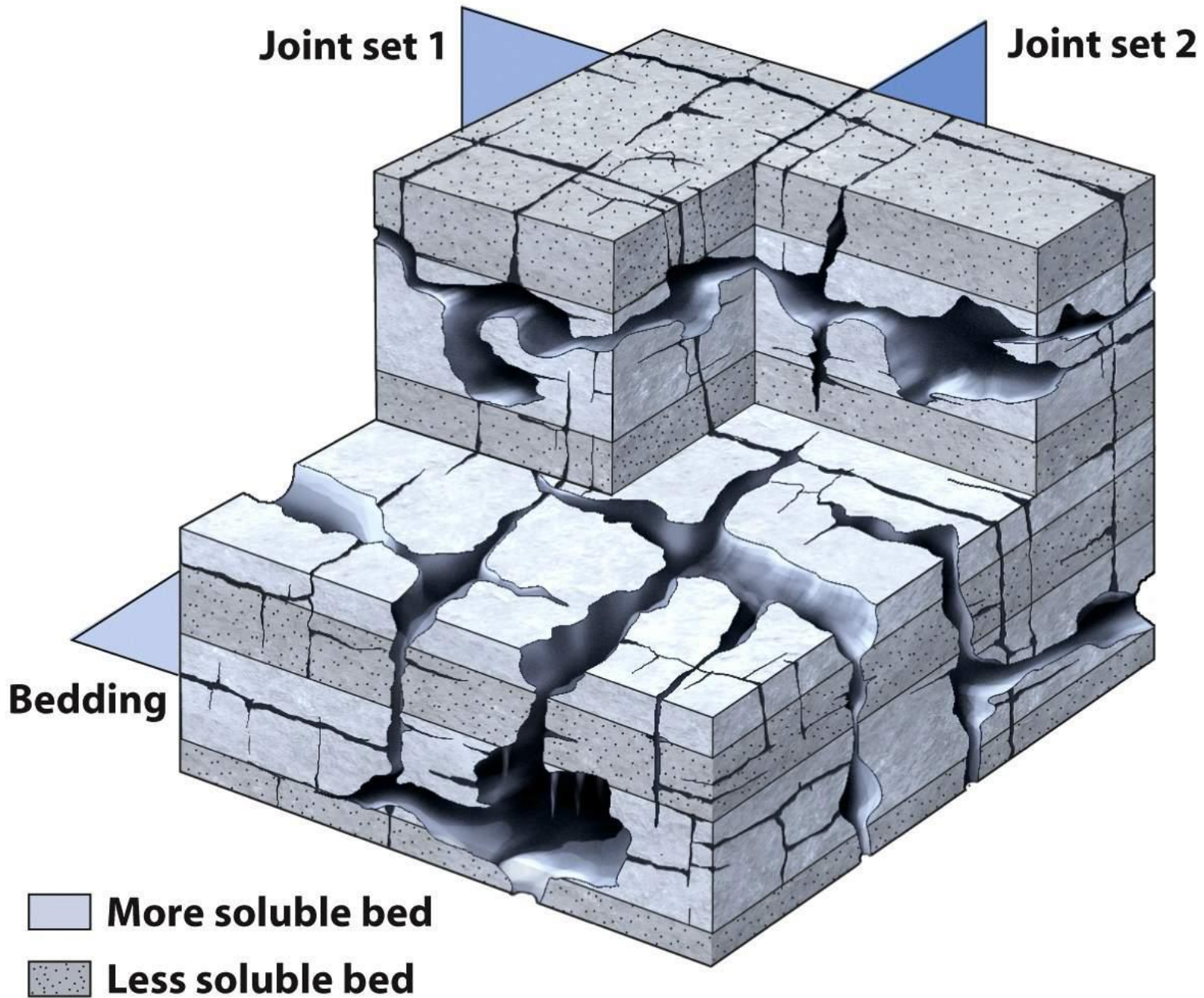


XEOMORFOLOXÍA CÁRSTICA



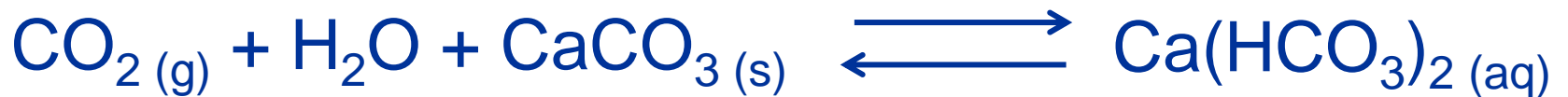
ACCIÓN DA AUGA SOBRE ROCHAS CARBONATADAS:
CALIZAS, DOLOMIÁS

FORMAS SIMILARES NOUTRAS ROCHAS SOLUBLES





CARBONATACIÓN (Equilibrio químico)



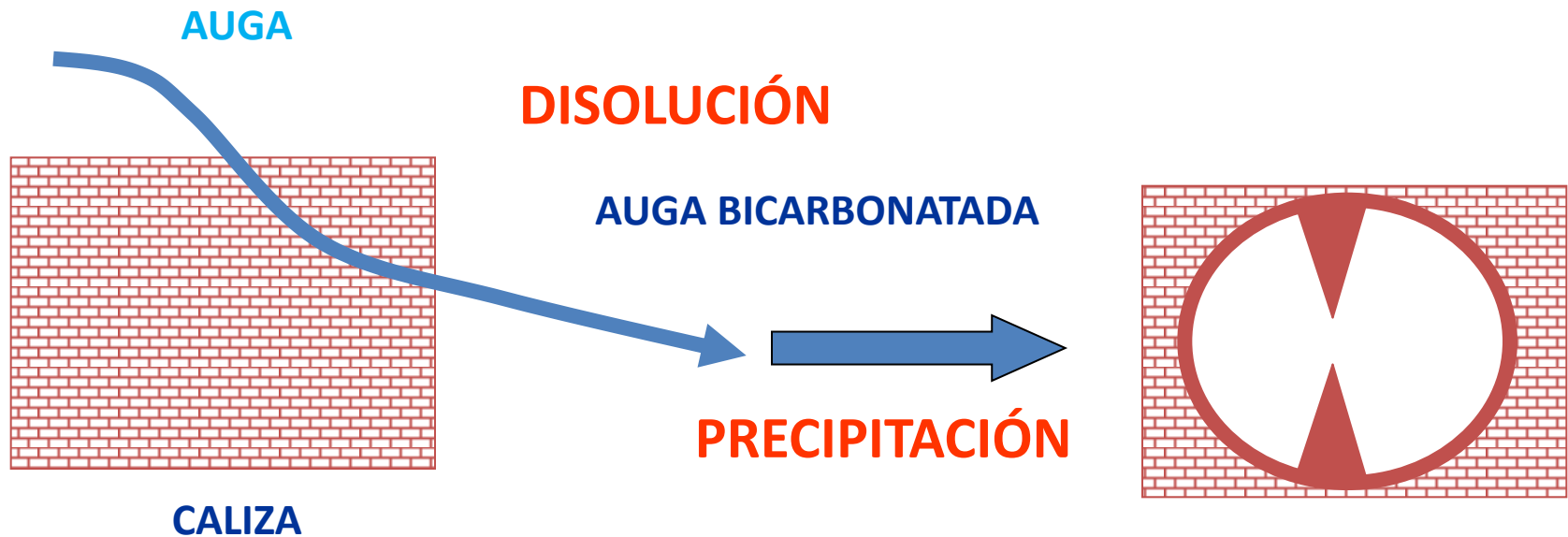
MOITO CO_2 ? \longrightarrow

POUCO CO_2 ? \longleftarrow

CALIZAS CaCO_3

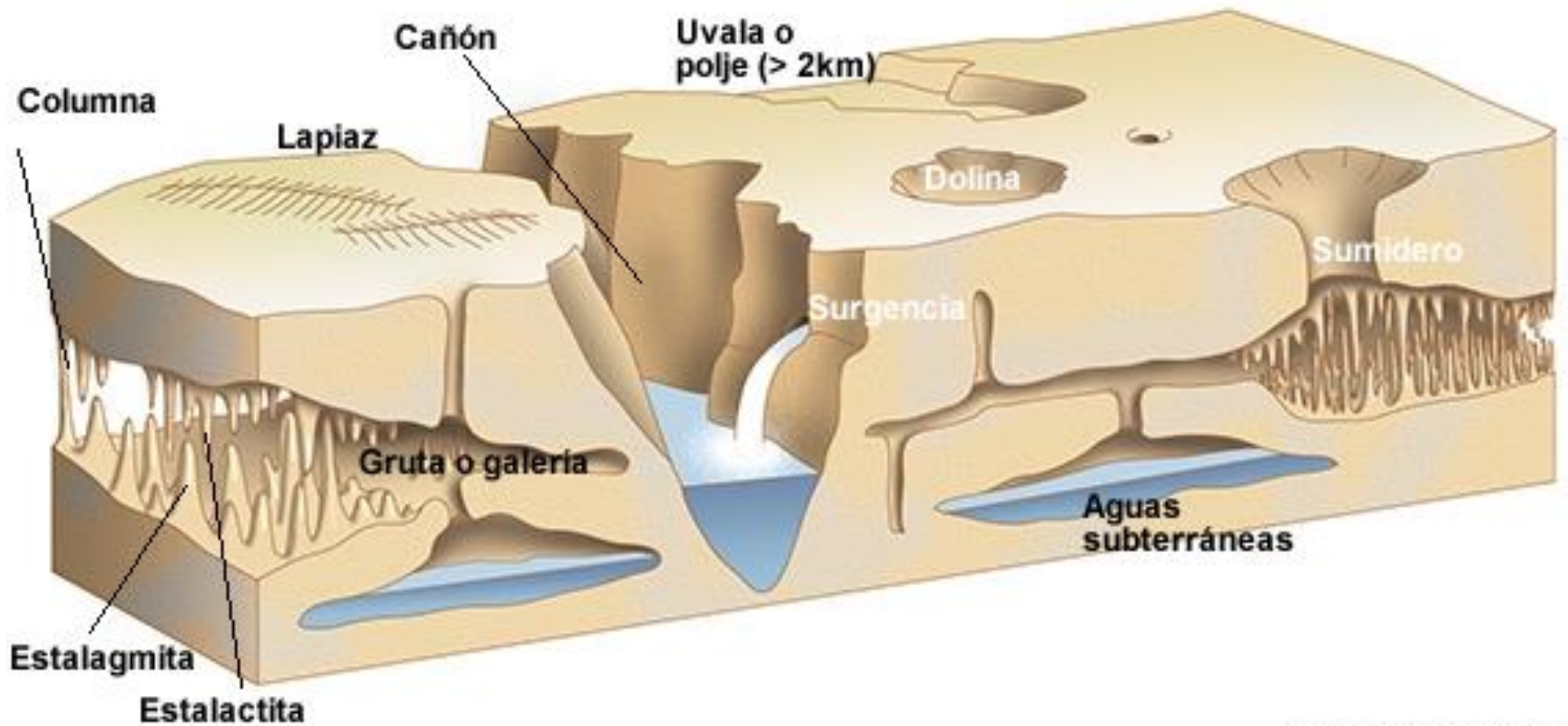
DOLOMÍAS $(\text{Ca},\text{Mg})\text{CO}_3$

EQUILIBRIO DISOLUCIÓN-PRECIPITACIÓN



FORMAS CÁRSTICAS

DISOLUCIÓN - PRECIPITACIÓN



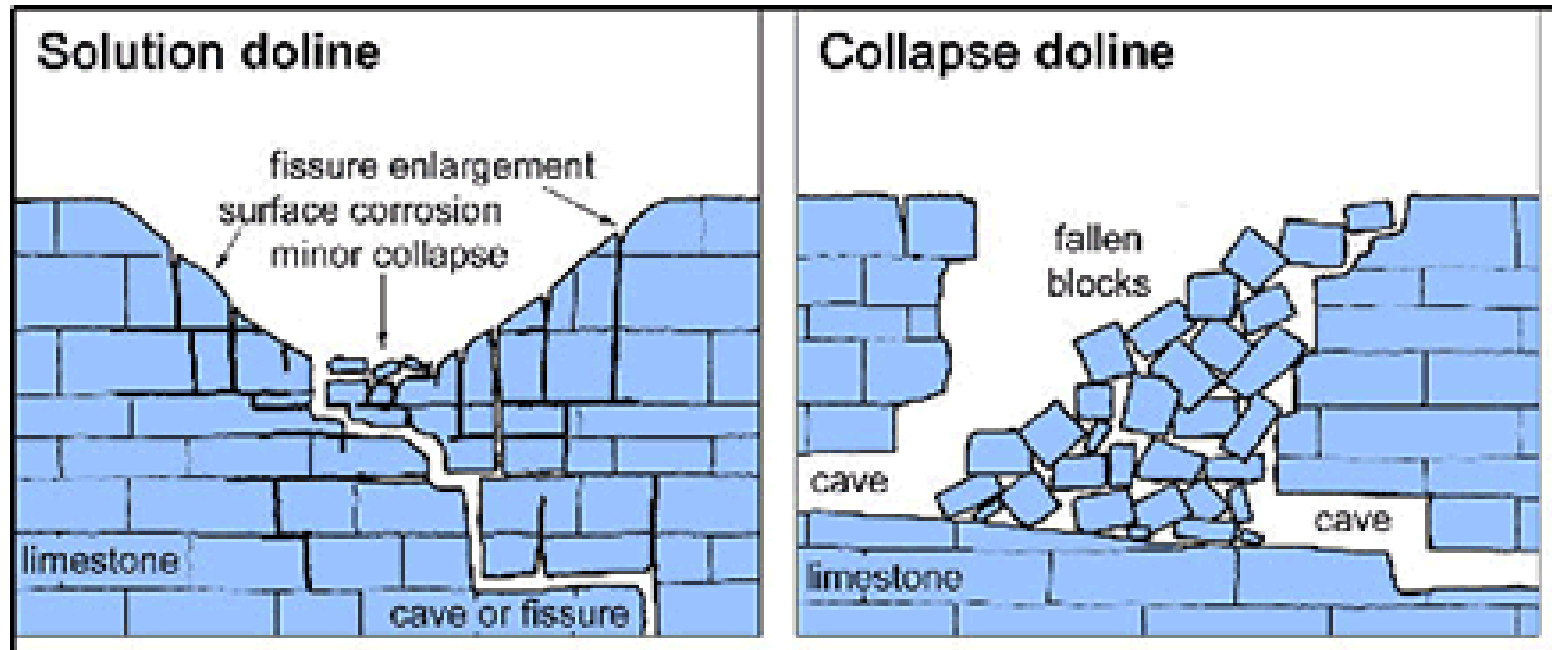






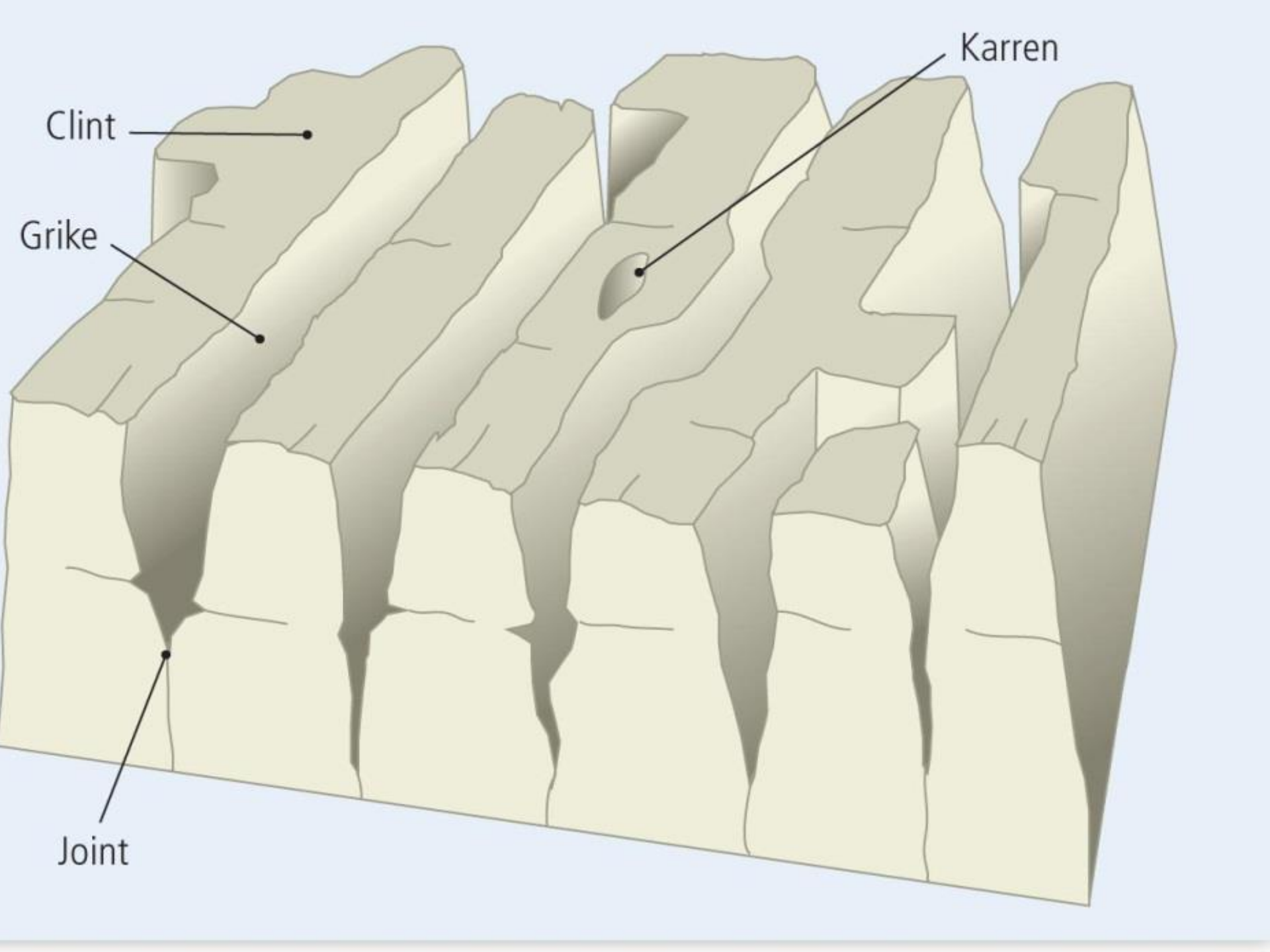


DOLINAS







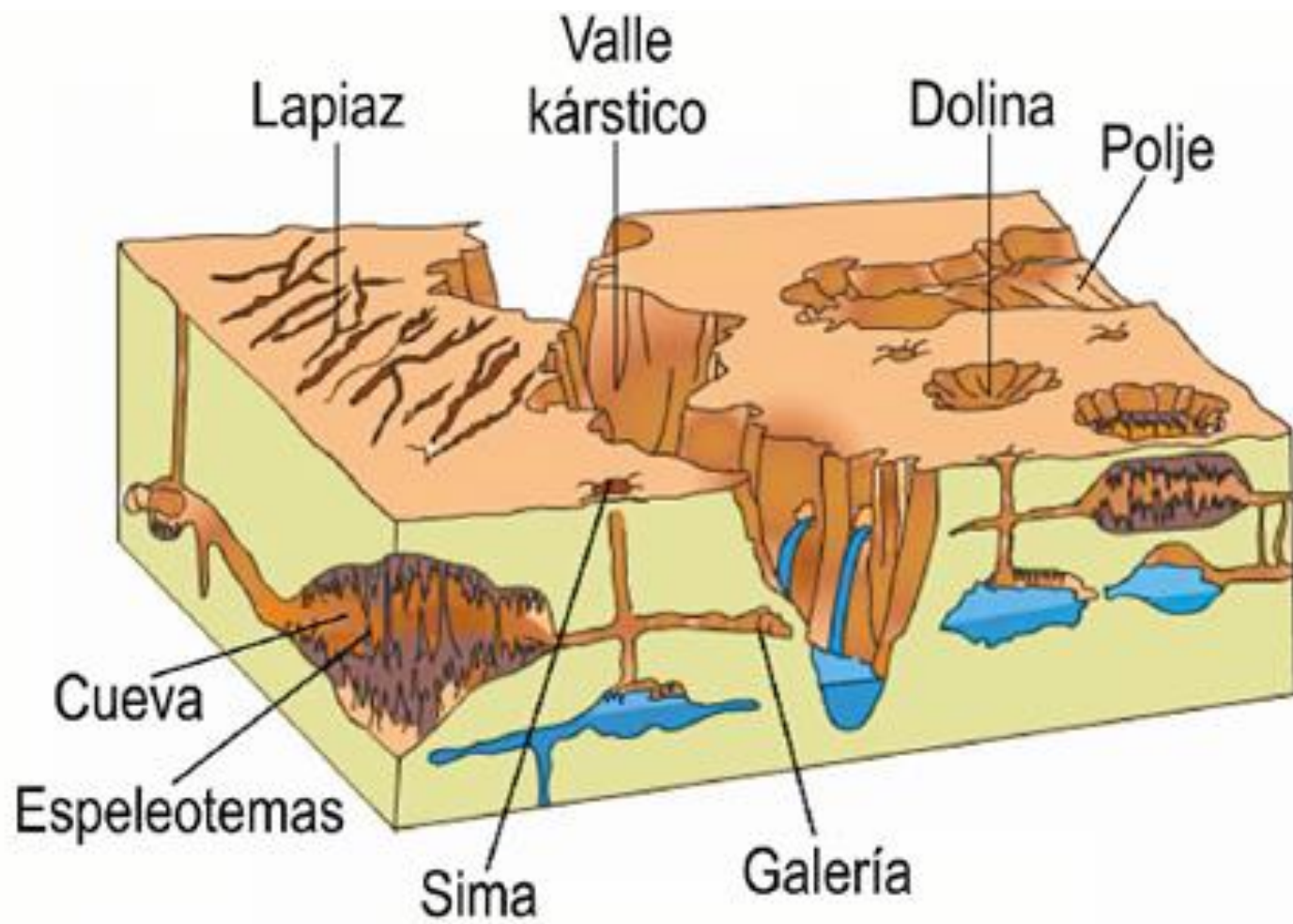


Clint

Karren

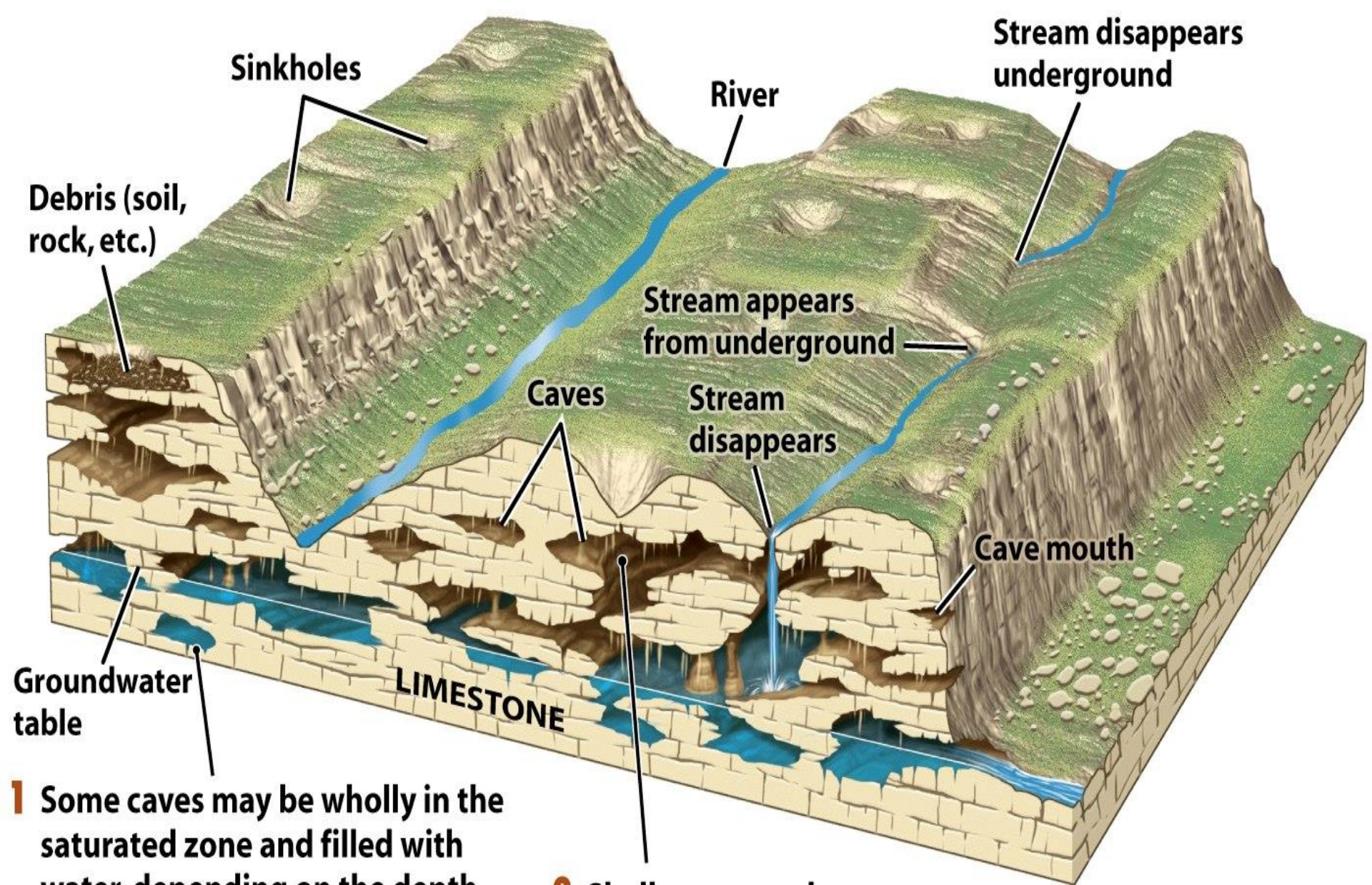
Grike

Joint









Debris (soil, rock, etc.)

Sinkholes

River

Stream disappears underground

Stream appears from underground

Caves

Stream disappears

Cave mouth

Groundwater table

LIMESTONE

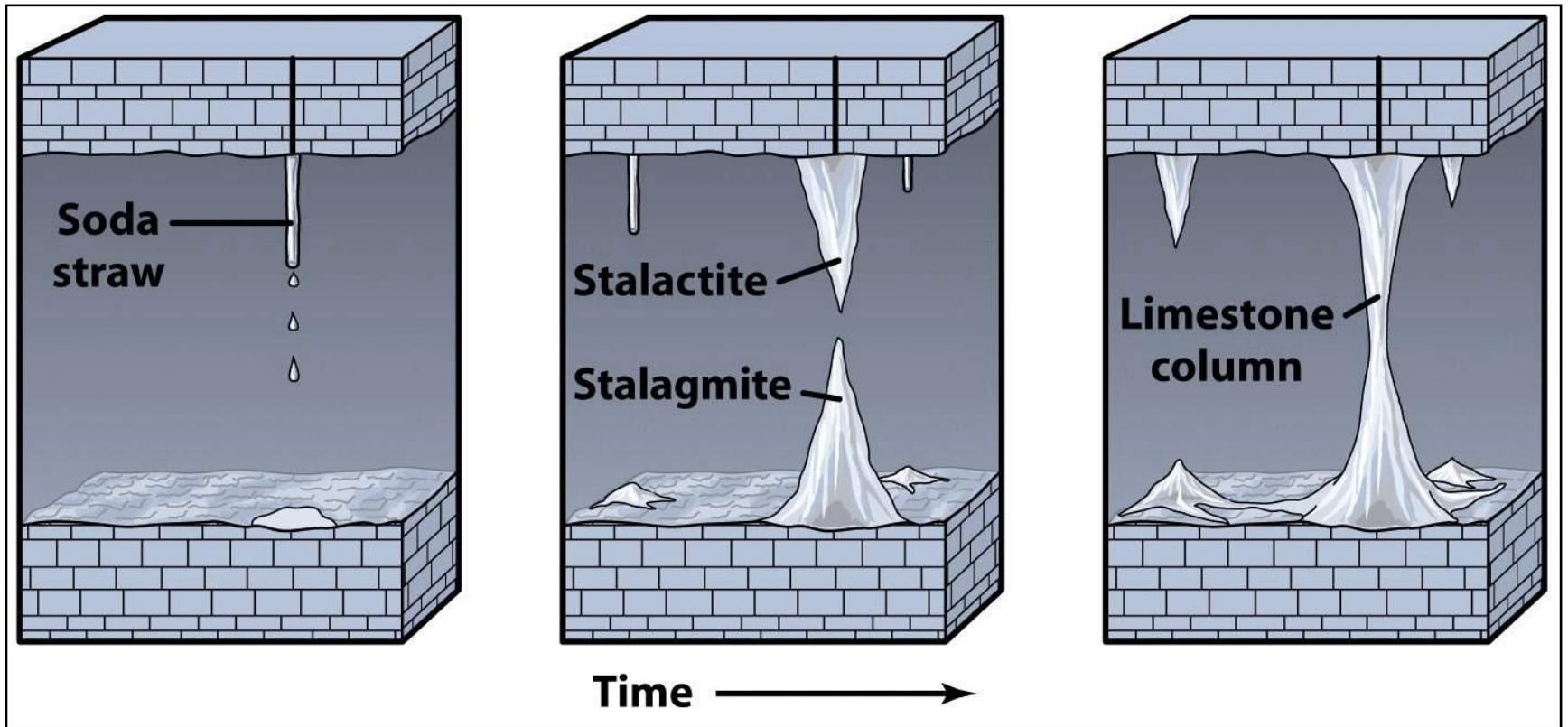
1 Some caves may be wholly in the saturated zone and filled with water, depending on the depth of the groundwater table.

2 Shallow caves above the groundwater table are filled with air.

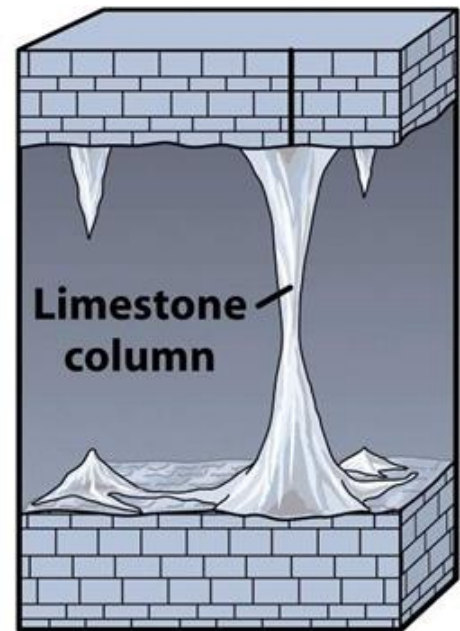
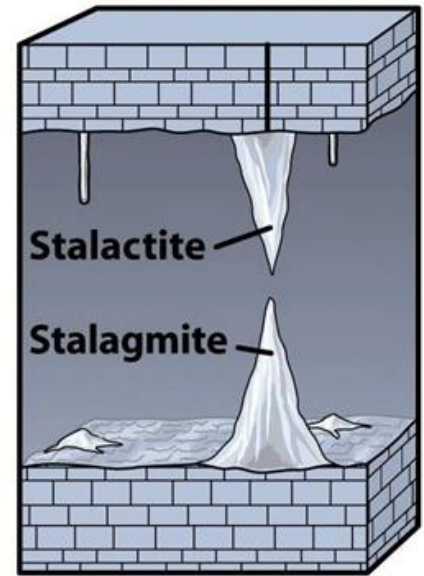
VALES CÁRSTICOS ARXILAS DE DESCALCIFICACIÓN



FORMAS DE PRECIPITACIÓN ESPELEOTEMAS

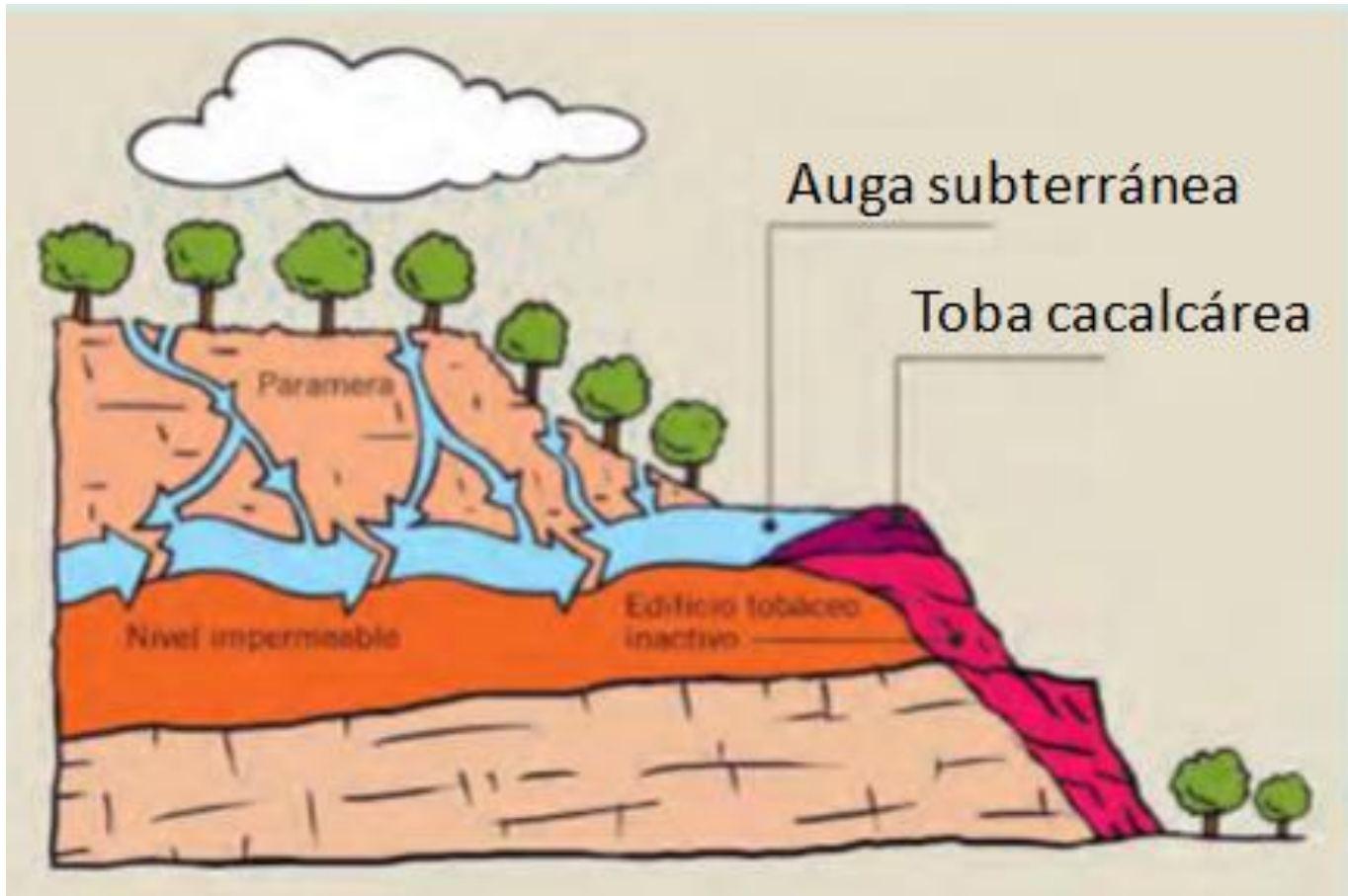








TOBAS









TOBAS - TRAVERTINOS ?

TEMPERATURA DA AUGA



Formadas por precipitación de augas frías (ríos, fervenzas)

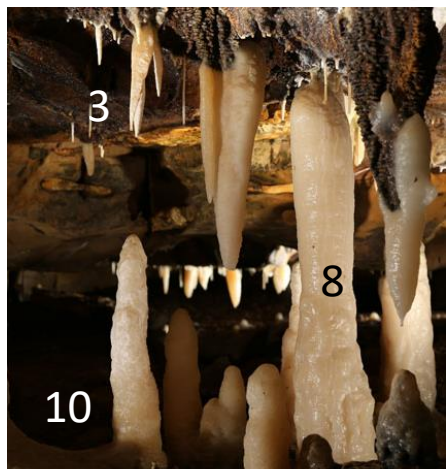
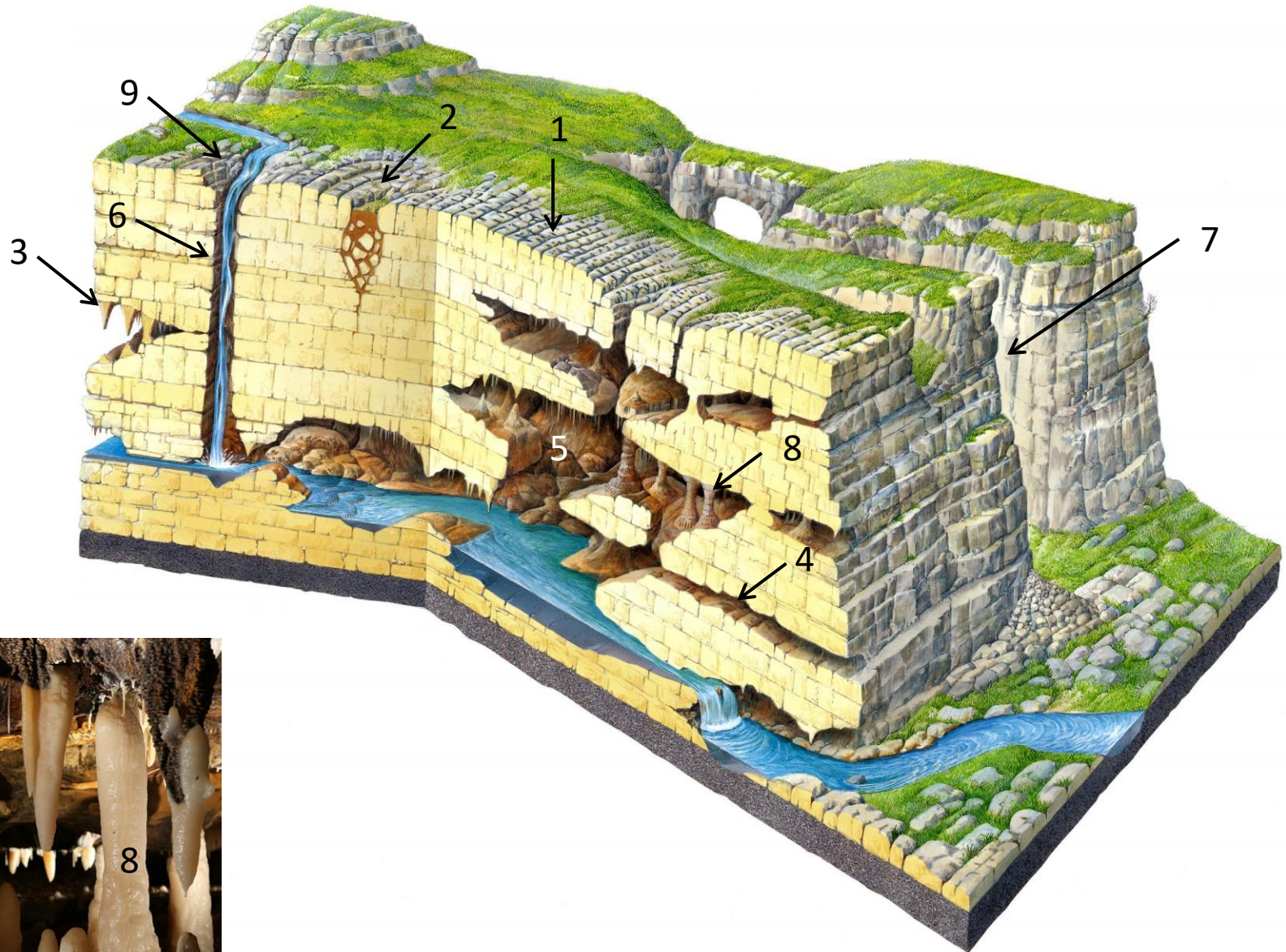


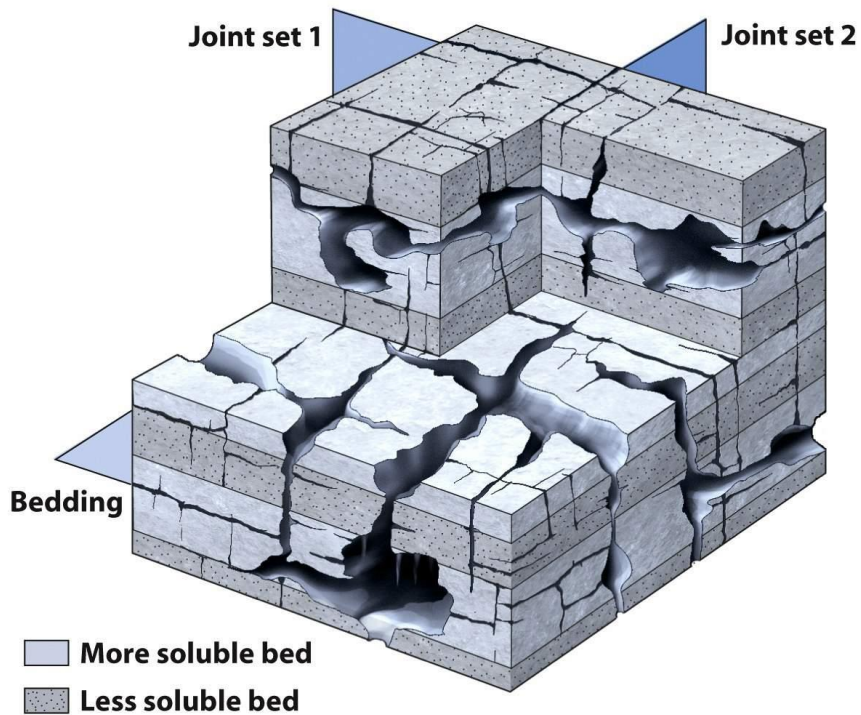
Formadas por precipitación de augas termais

FERVENZAS DE TRAVERTINO EN PAMUKALE (TURQUÍA)

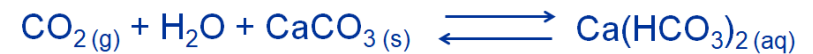


EXERCICIO 7





CARBONATACIÓN (Equilibrio químico)



EXERCICIO 8

A



B



C



D

