

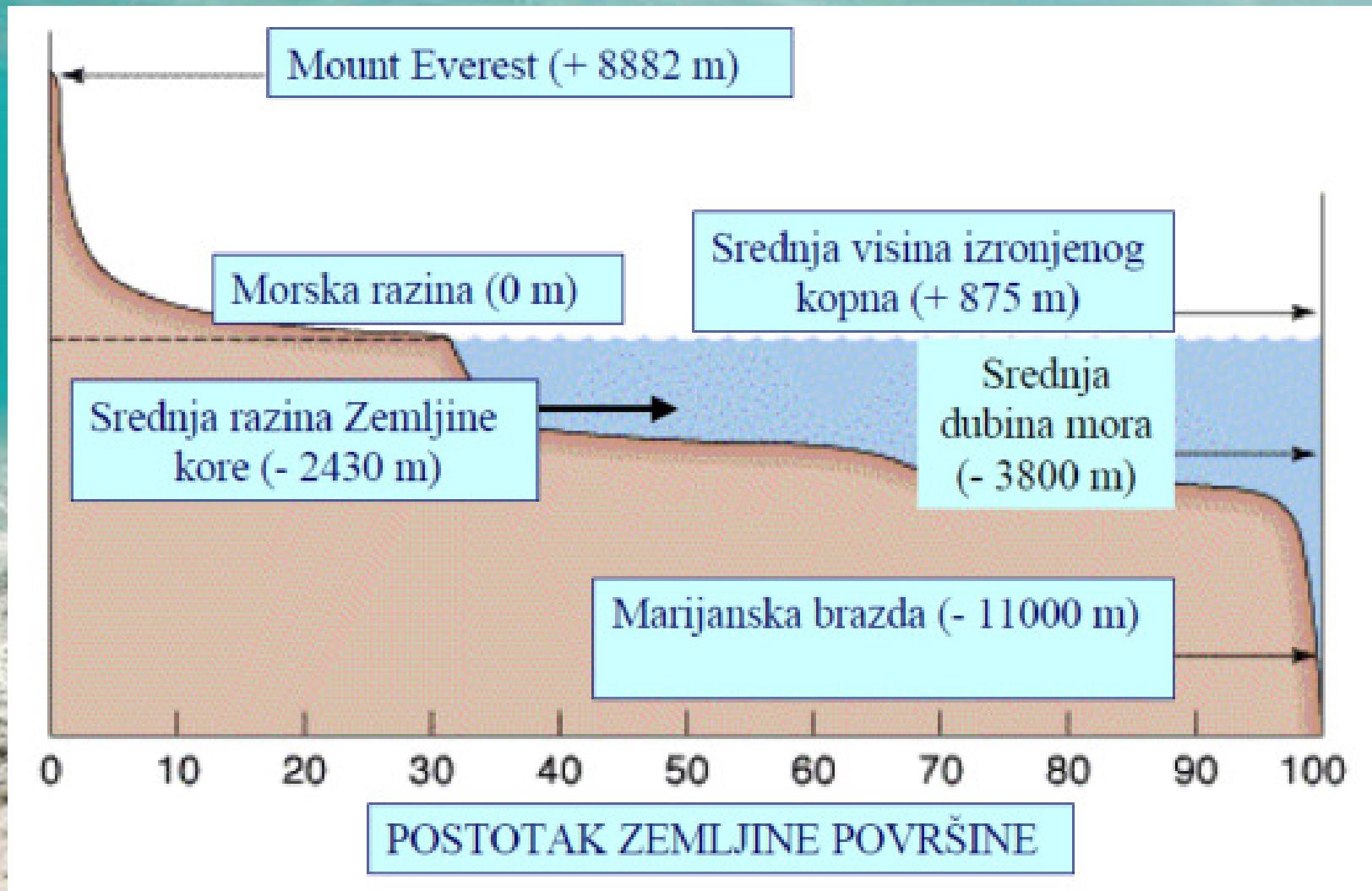
Morsko dno

Meteorologija i oceanografija 3.N

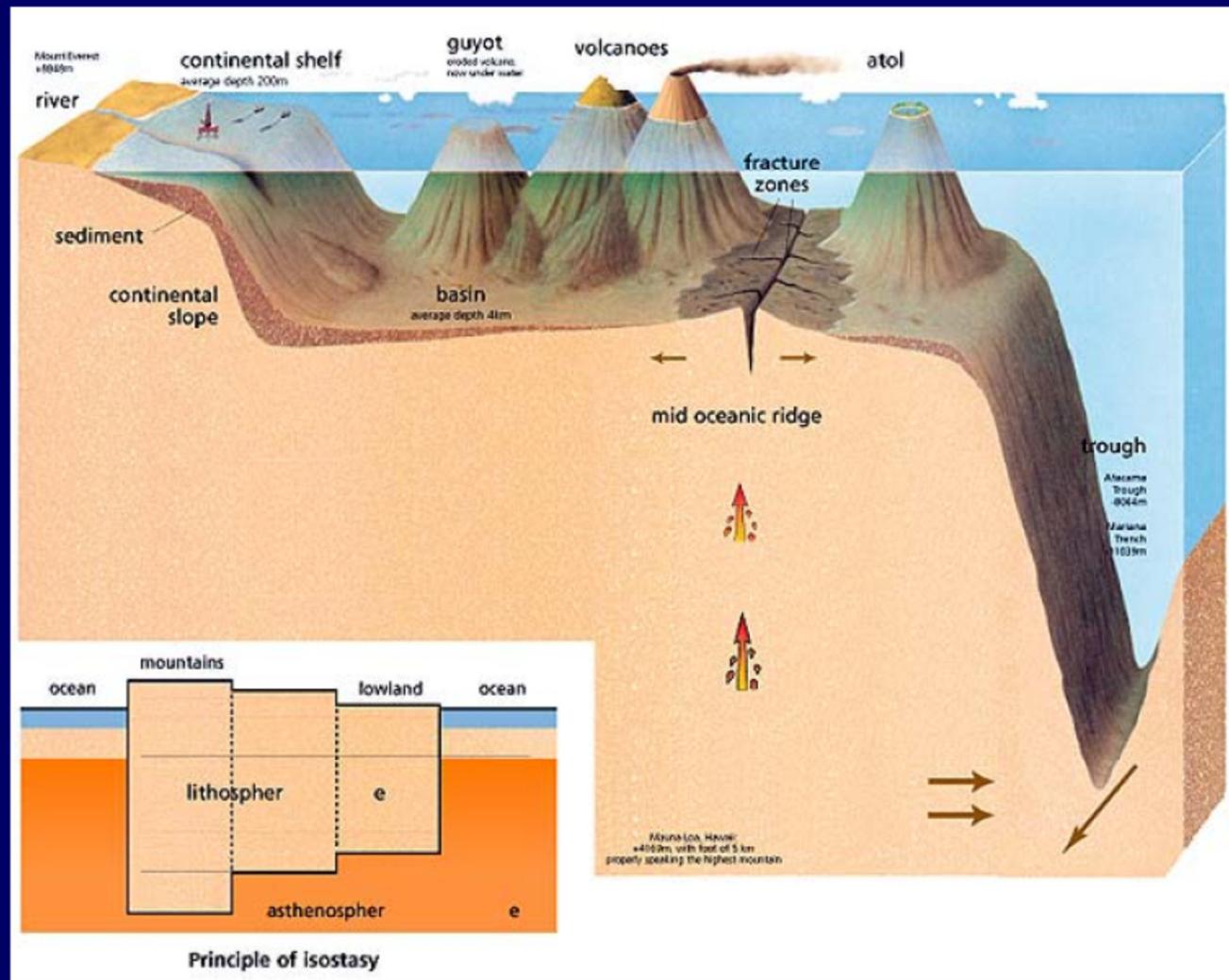
The background of the image is an underwater photograph showing a sandy ocean floor in the foreground, transitioning into clear, turquoise-blue water. The water is slightly rippled, creating a sense of depth.

Po prezentaciji M.Šolića:
Ekologija mora – pregled morskih staništa

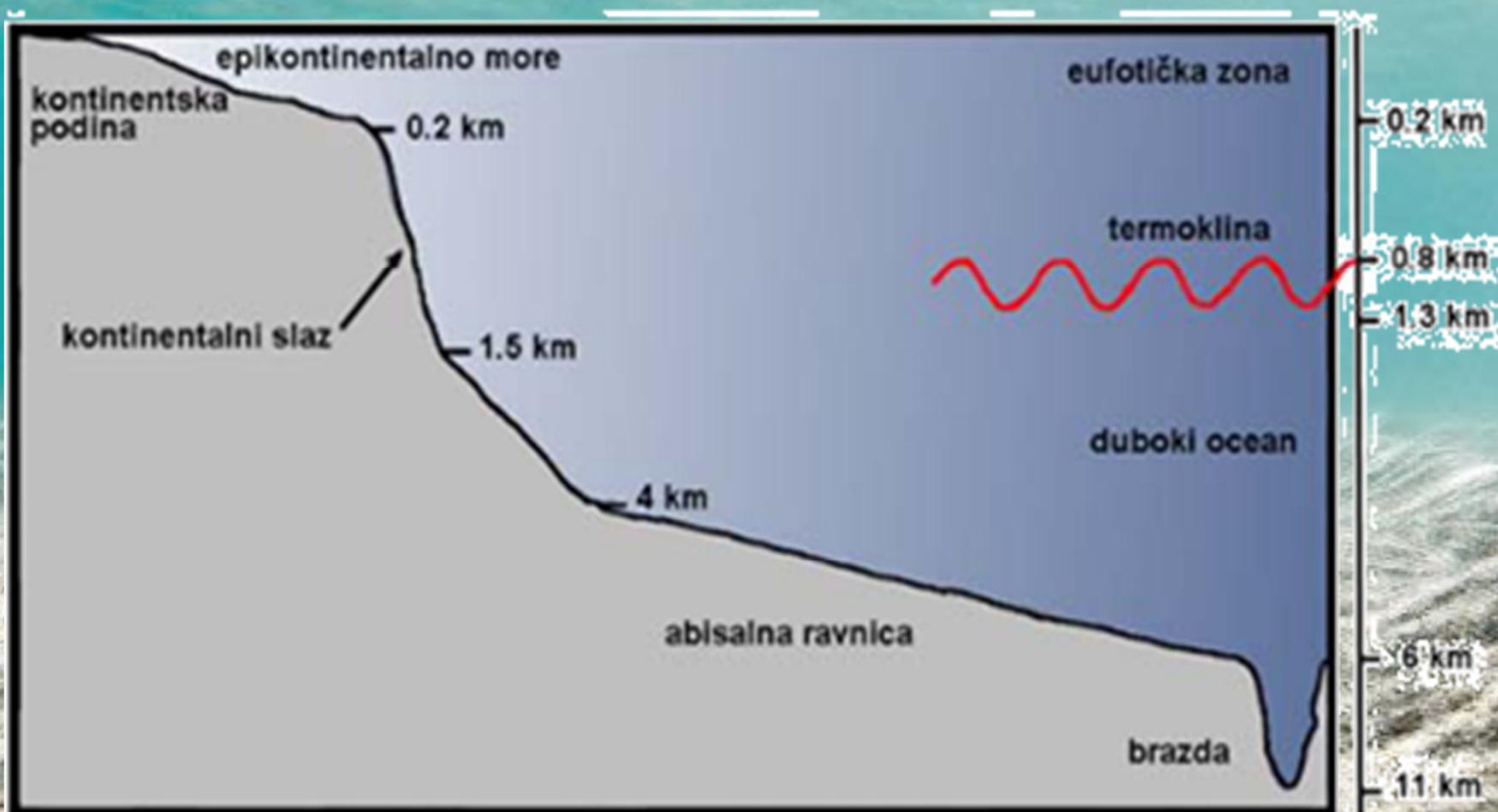
Hipsografska krivulja



M. Šolić: Ekologija mora



Reljef morskog dna

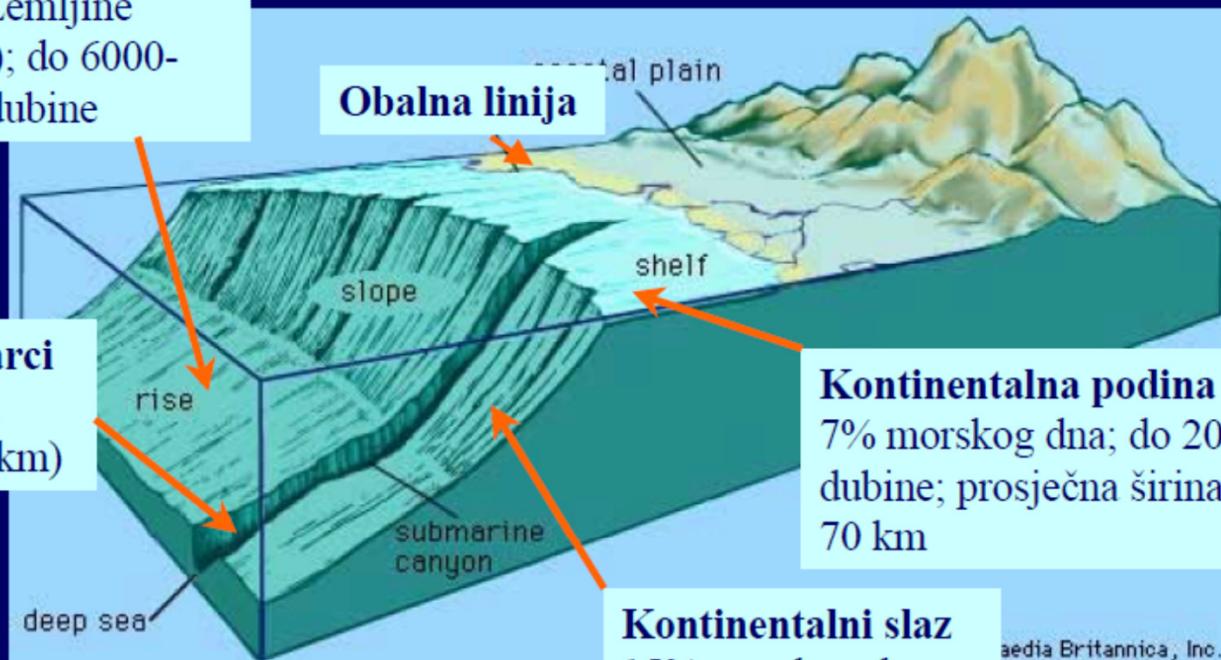


M. Šolić: Ekologija mora

Abisalna ravnica

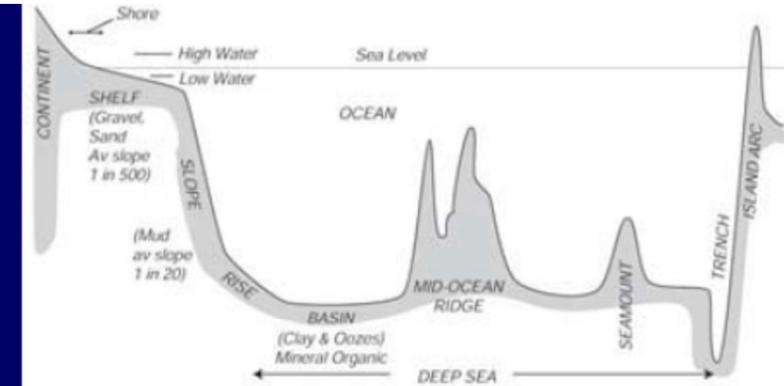
78% morskog dna (2/5 ukupne Zemljine površine); do 6000-7000 m dubine

Kotline i junci
do najvećih dubina (11 km)



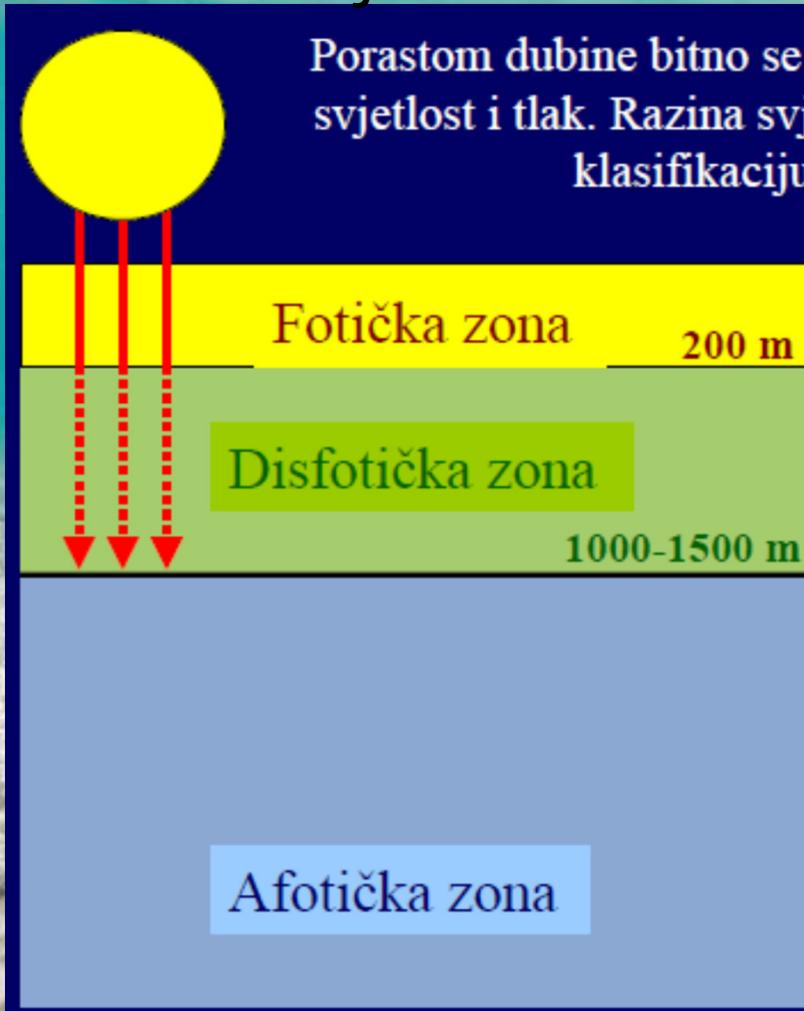
Kontinentalna podina (šelf)
7% morskog dna; do 200 m dubine; prosječna širina oko 70 km

Kontinentalni slaz
15% morskog dna;
do 1500-2500 m dubine



Encyclopedia Britannica, Inc.

Klasifikacija mora na temelju batimetrije



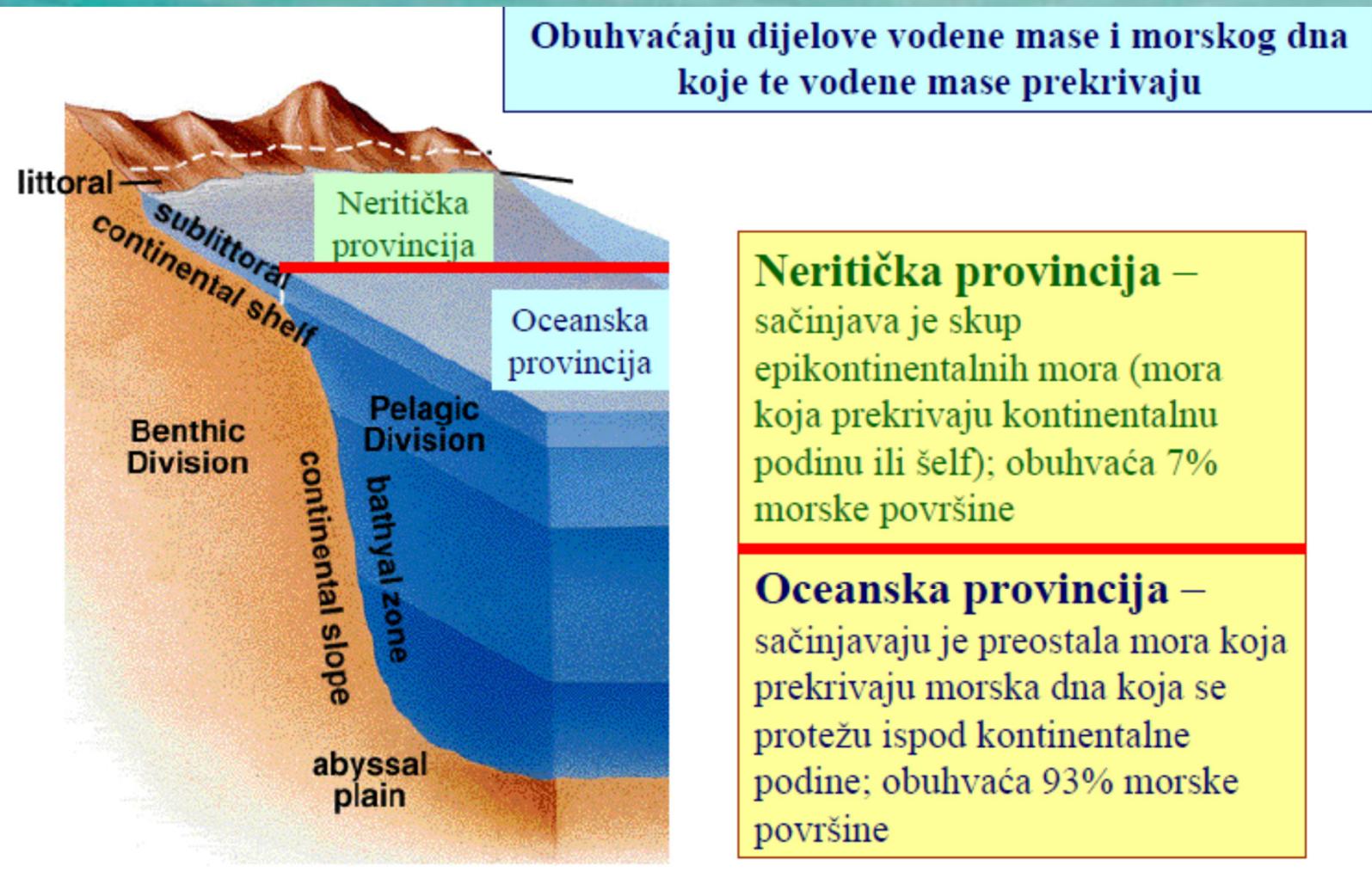
Porastom dubine bitno se mijenjaju tri parametra: temperatura, svjetlost i tlak. Razina svjetla može poslužiti kao parametar za klasifikaciju pojedinih zona u moru

A) Fotička (trofogena) zona

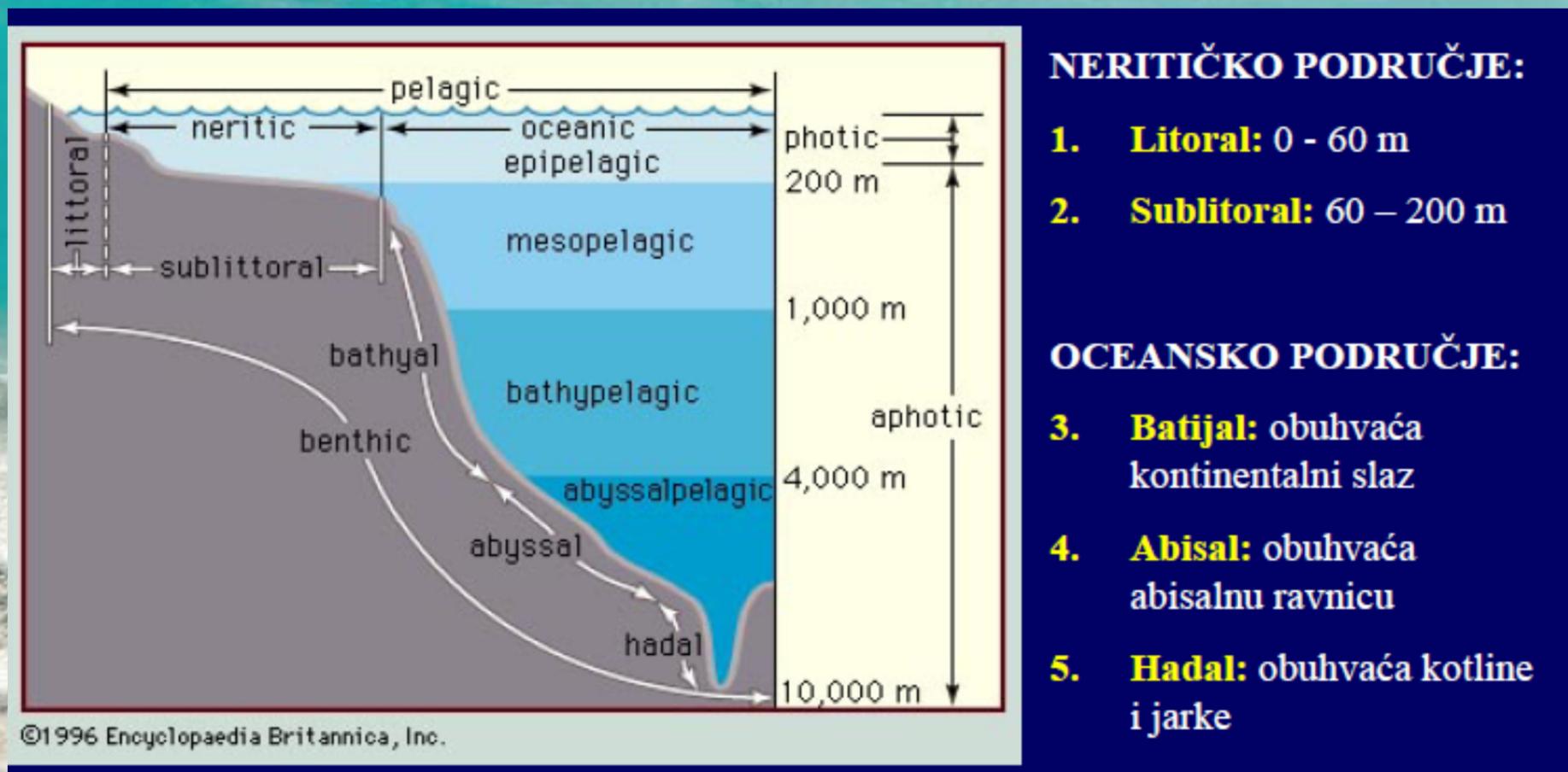
- 1. Eufotička ili osvjetljena zona (do 200 m)**
- 2. Disfotička (oligofotička) ili sumračna zona (od 200 do 1000-1500 m)**

B) Afotička (trofolitička) zona

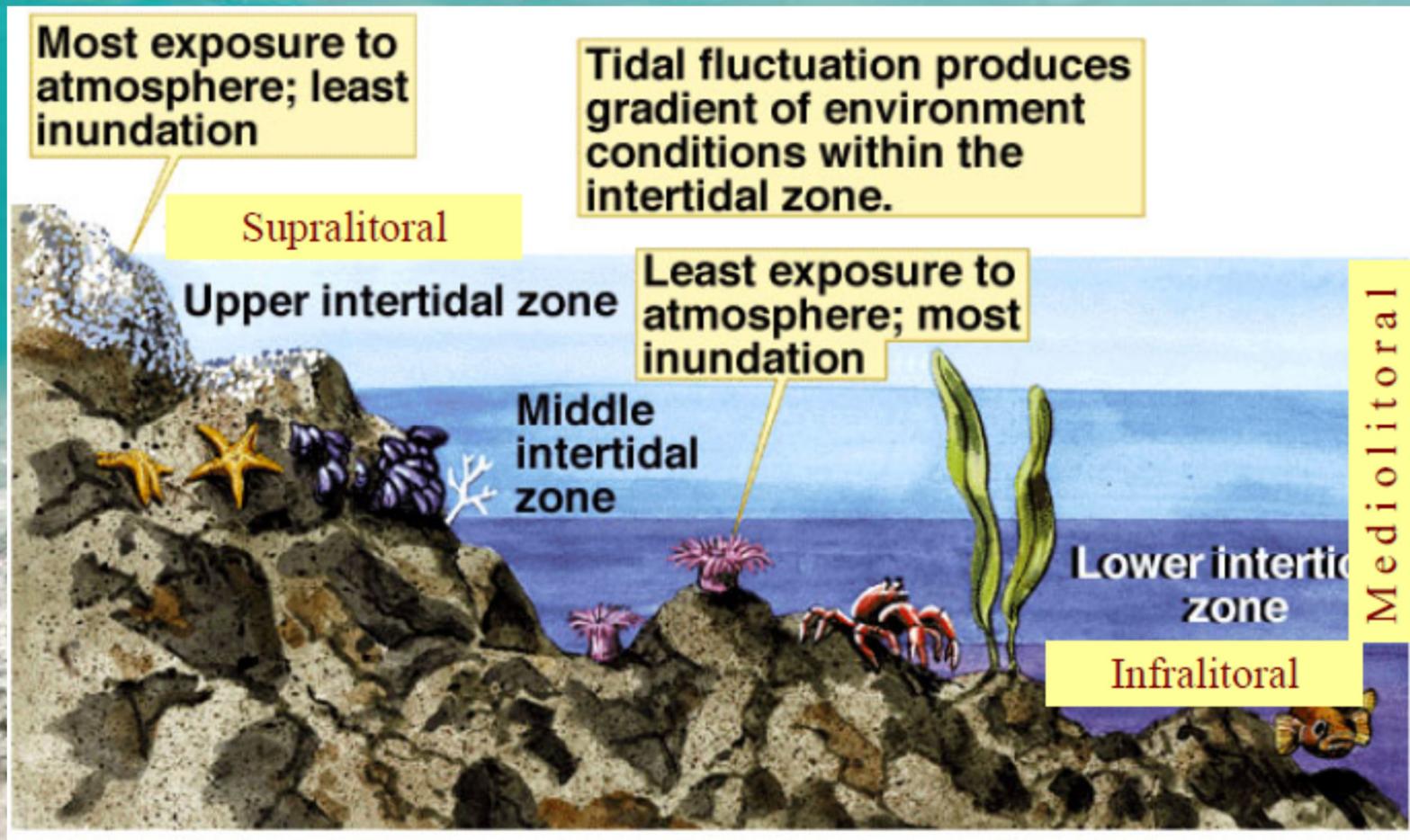
Neritička i oceanska provincija



Neritičko i oceansko područje



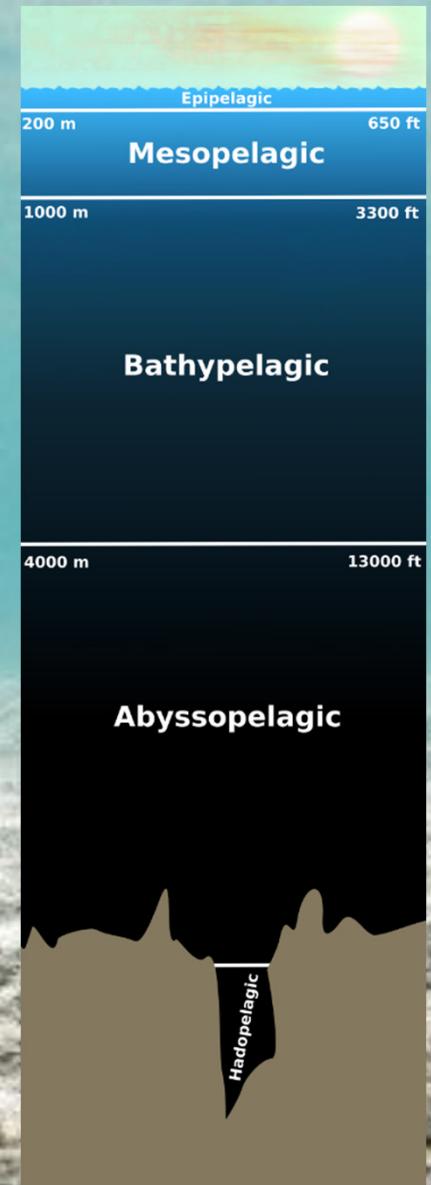
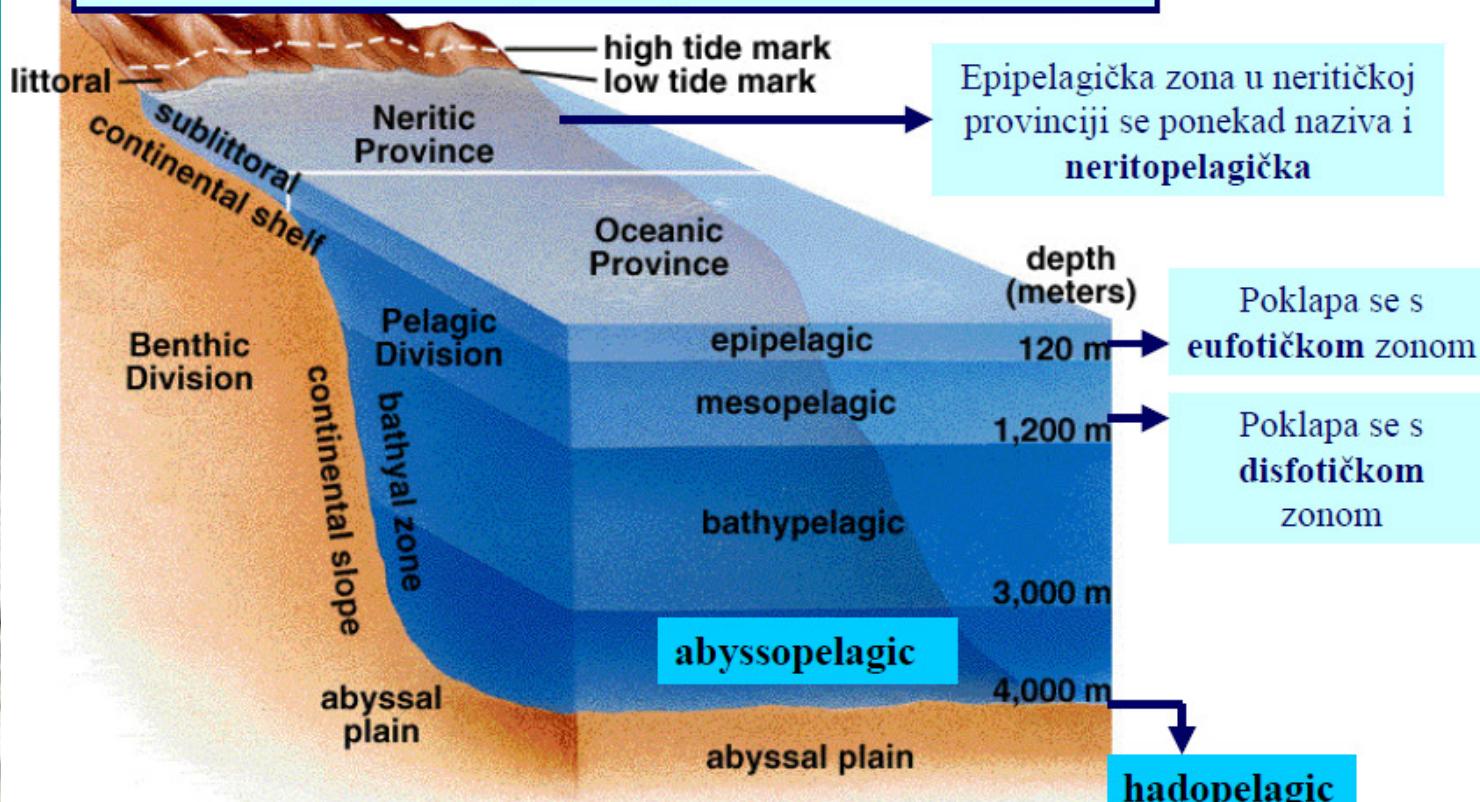
Litoral



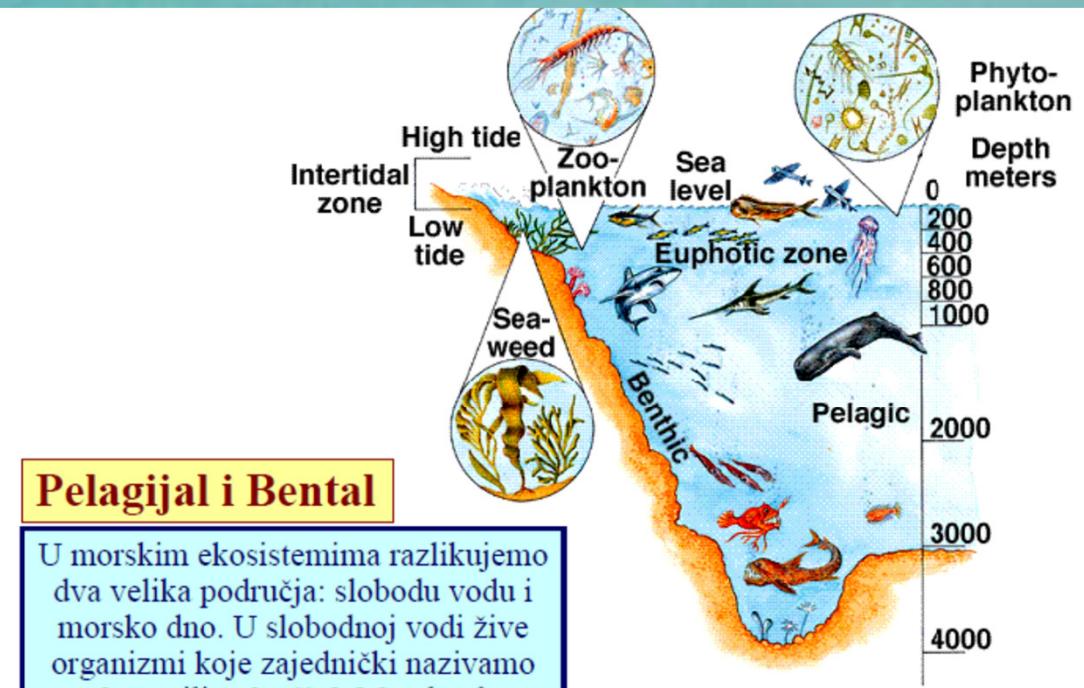
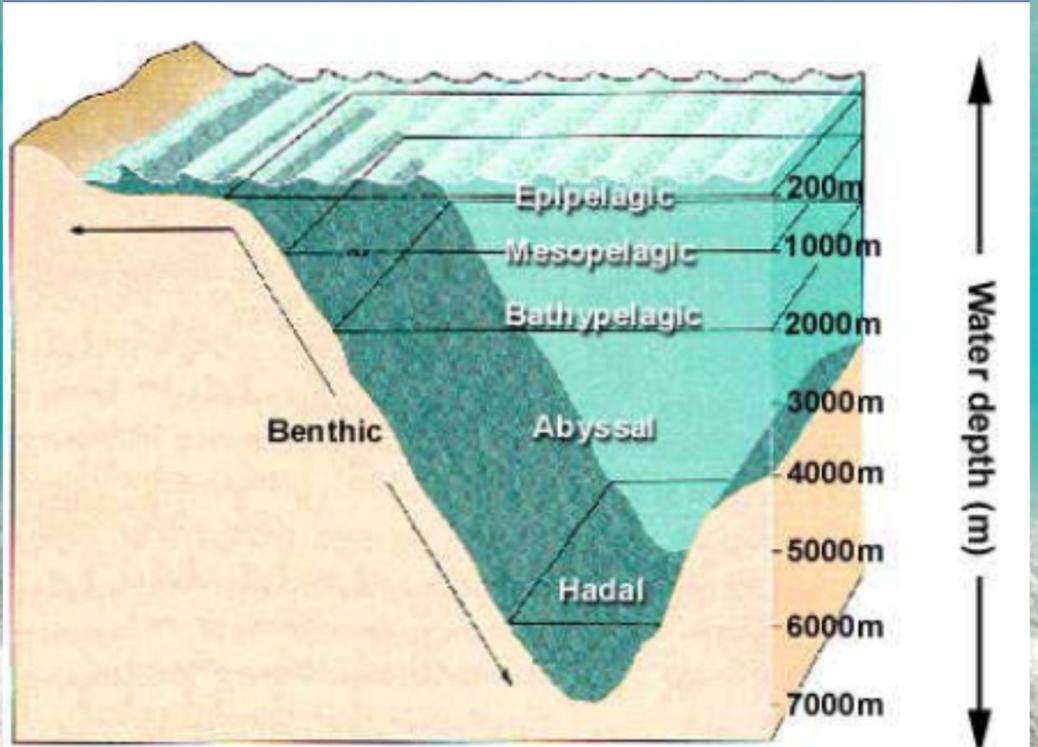
Dubinske životne zone oceana

M. Šolić: Ekologija mora

Vertikalna i horizontalna struktura pelagičkog područja



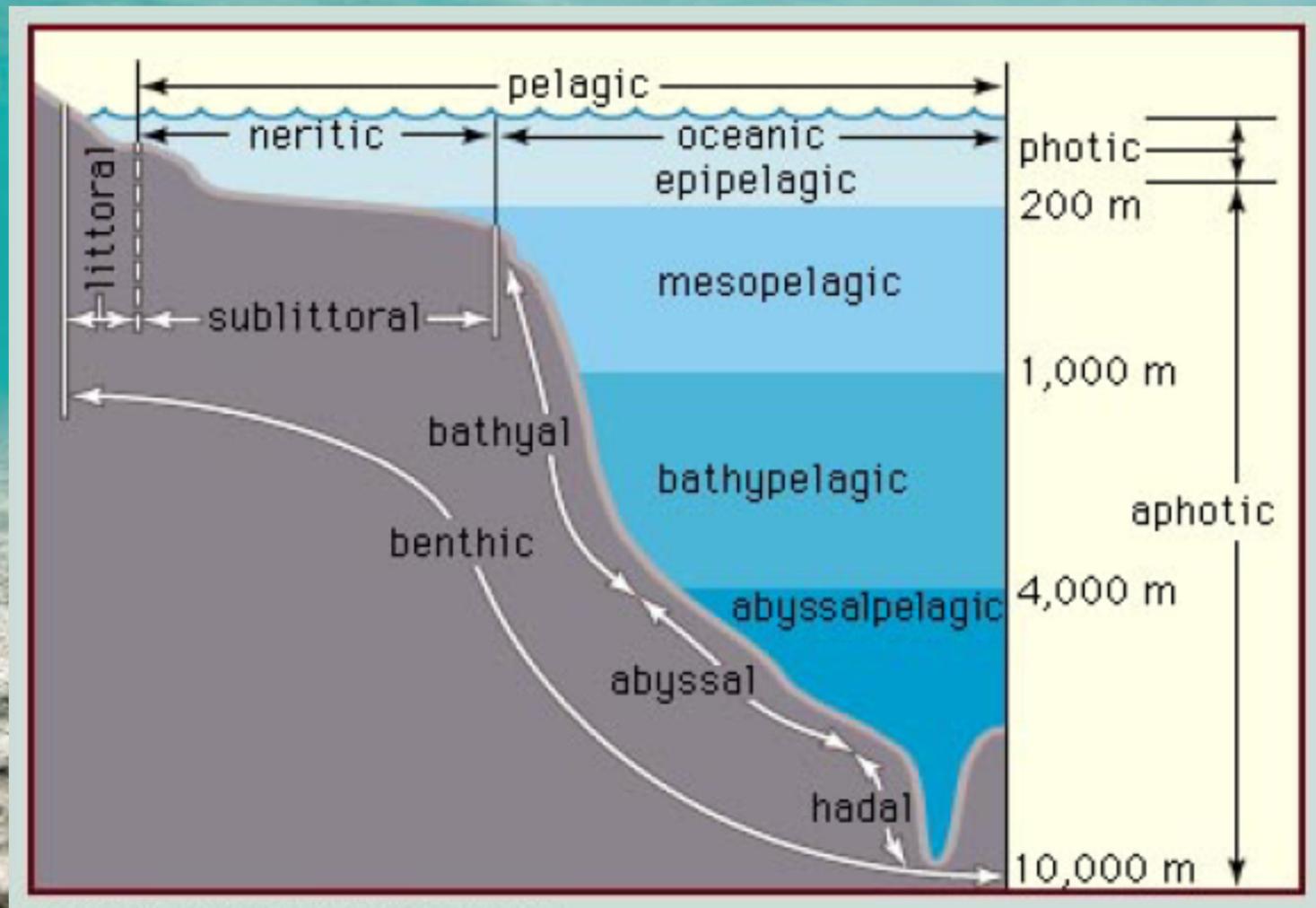
Pelagičko i bentosko područje



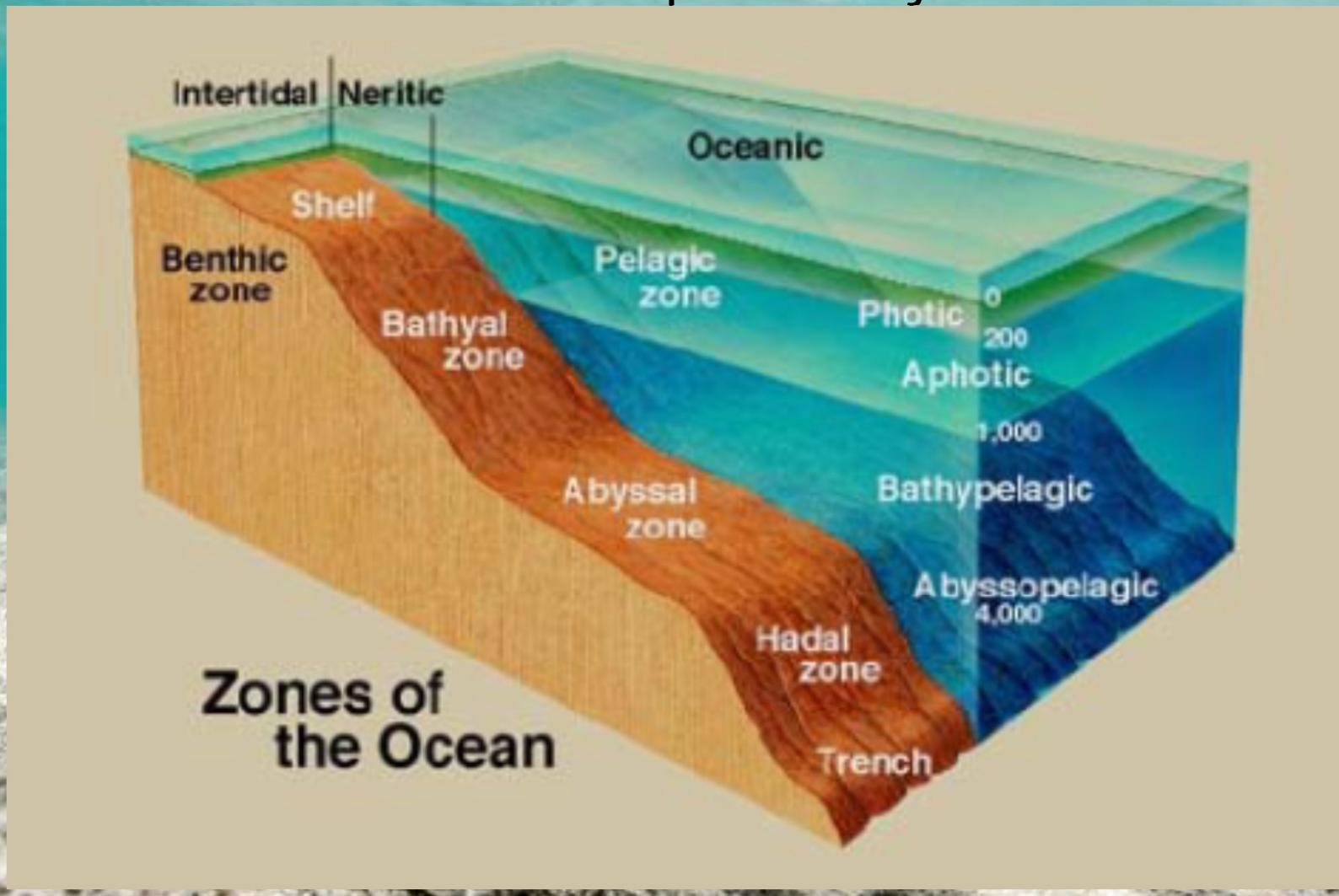
Pelagijal i Bental

U morskim ekosistemima razlikujemo dva velika područja: slobodu vodu i morsko dno. U slobodnoj vodi žive organizmi koje zajednički nazivamo **pelagos** ili **pelagijal**. Morsko dno naseljavaju organizmi koje zajednički nazivamo **bentos** ili **bental**

Pelagičko i bentosko područje



Neritička i oceanska područja



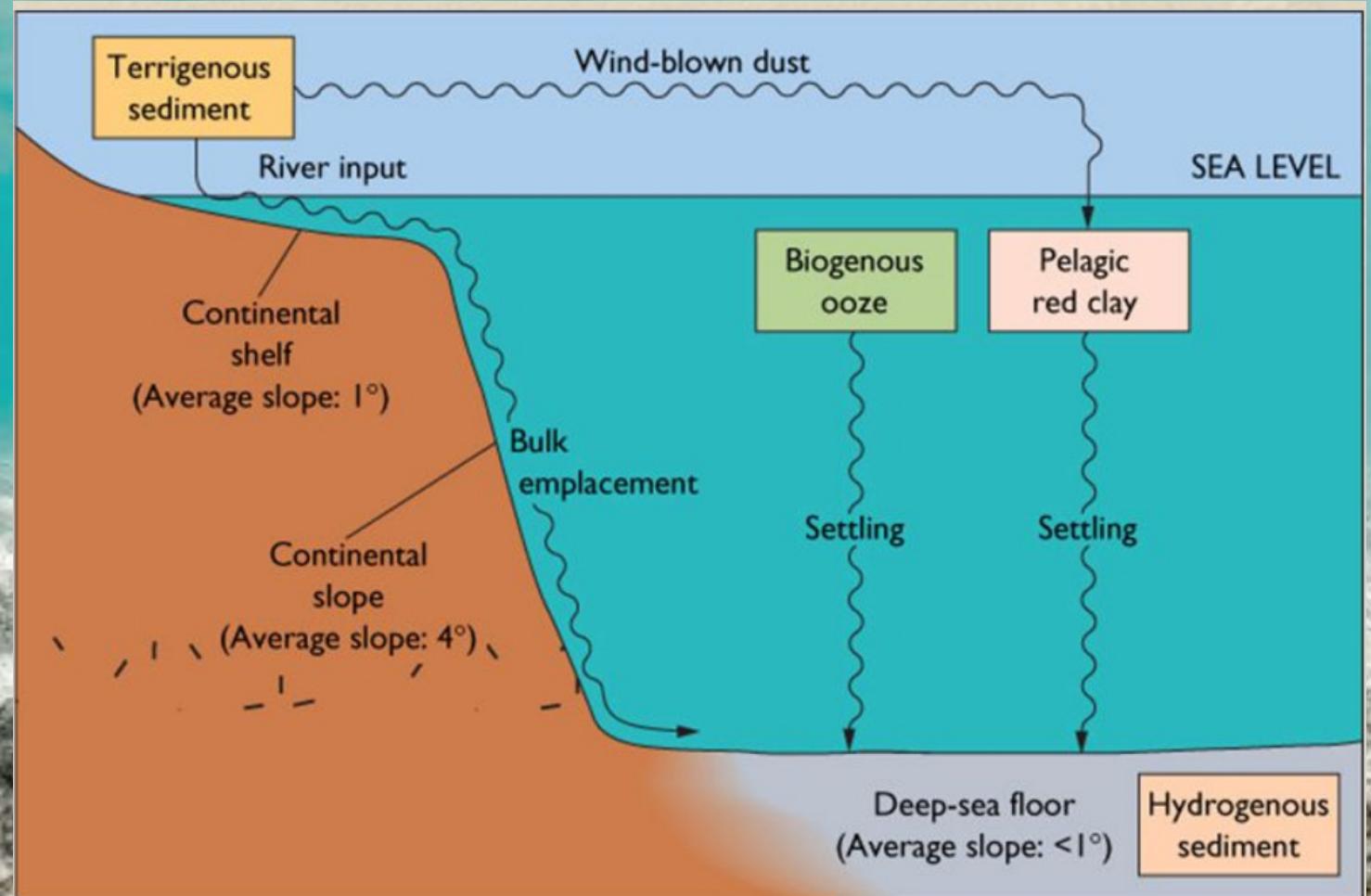
Mjerenje dubine mora

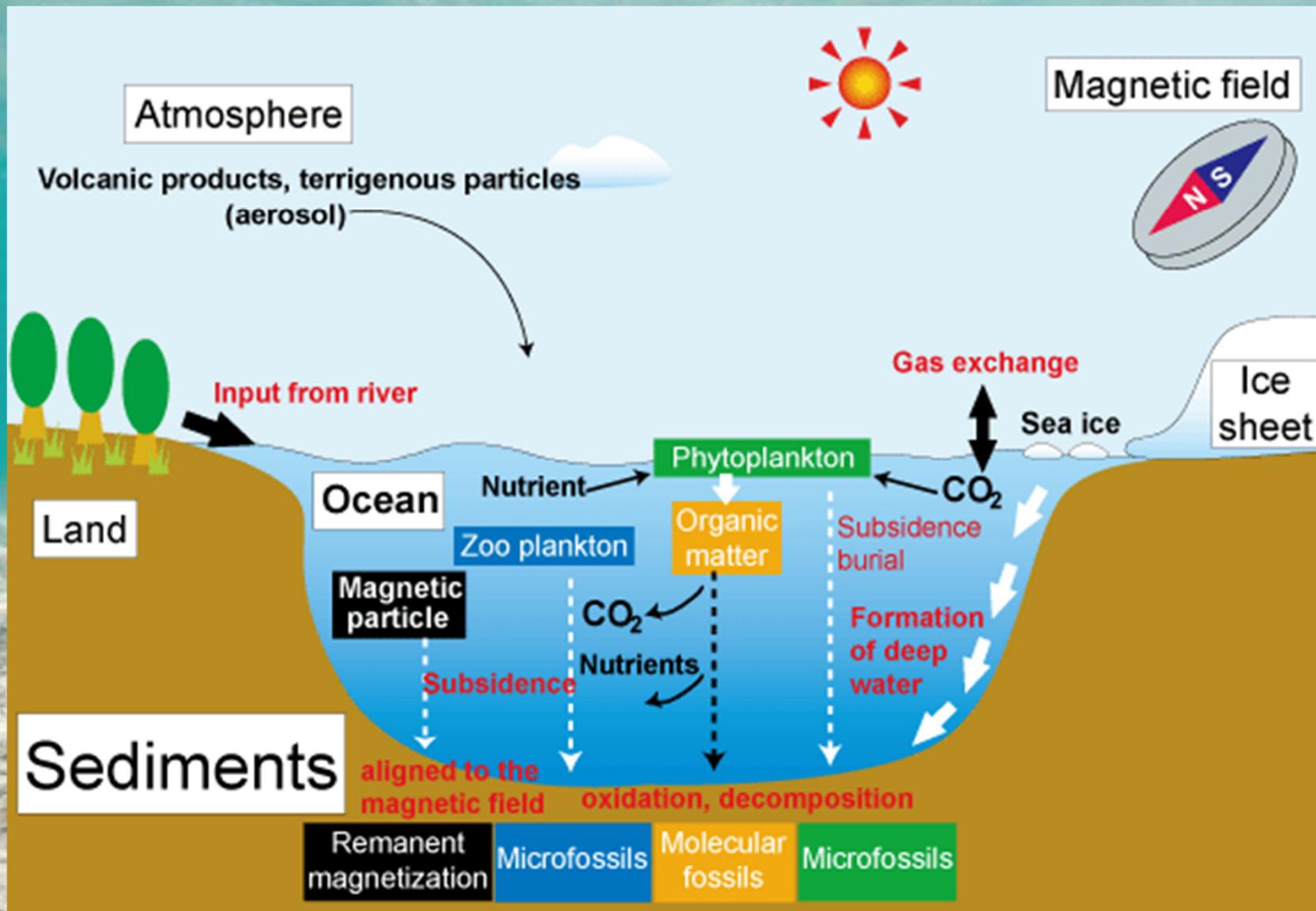
- Obradeno u terestričkoj navigaciji

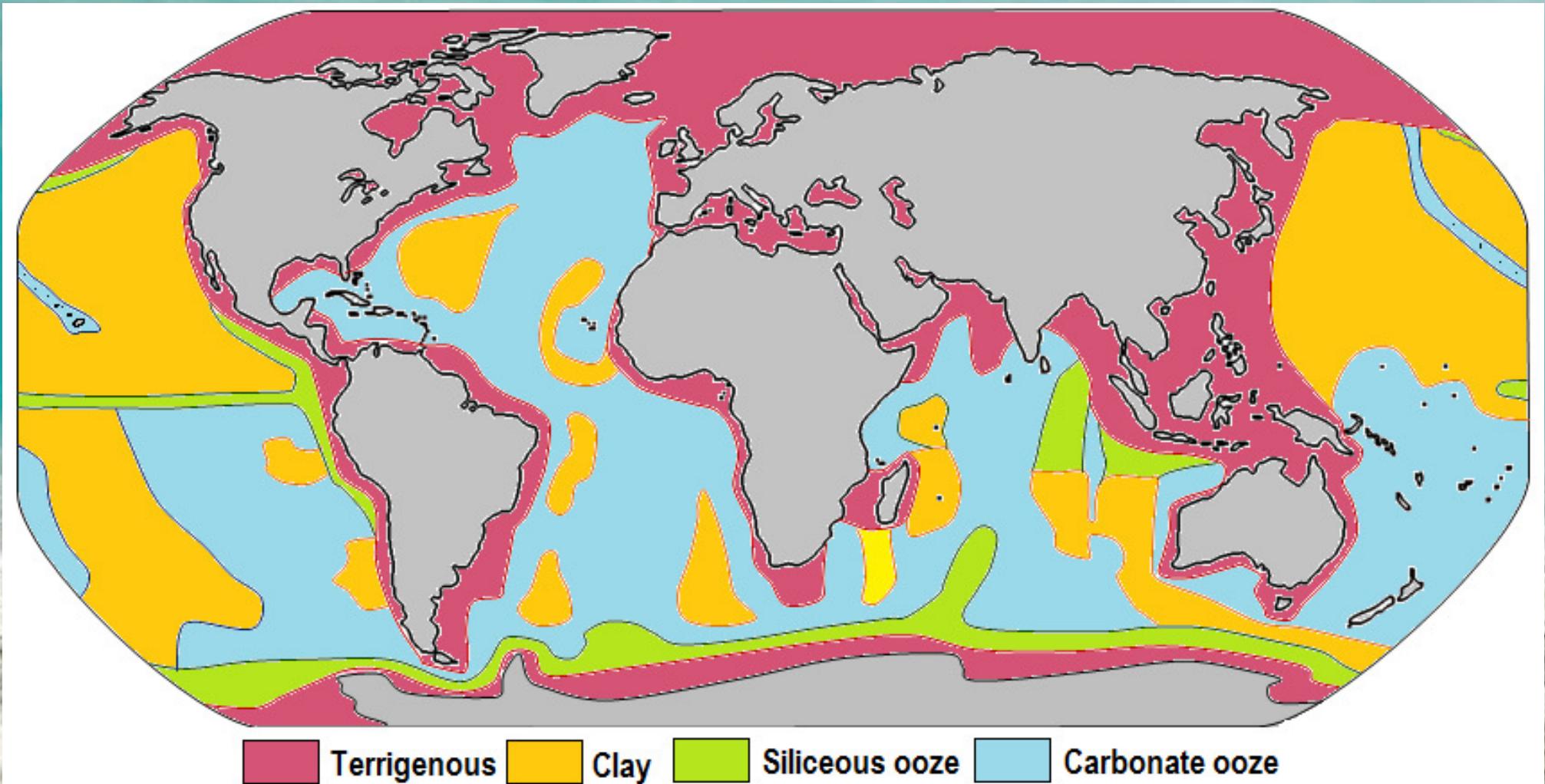


Sedimenti morskog dna

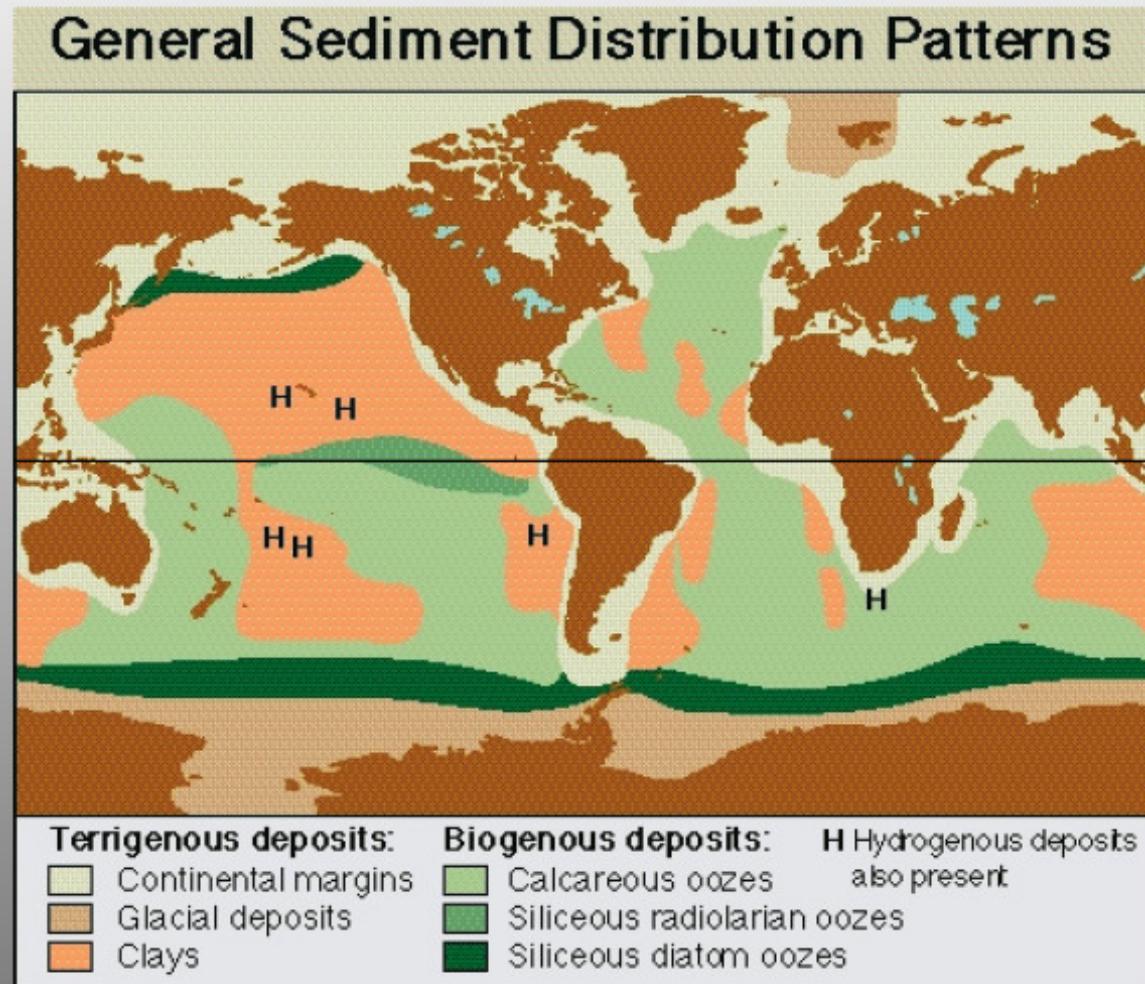
- terigeni
- biogeni
- halmiogeni
- kozmički
- vulkanski

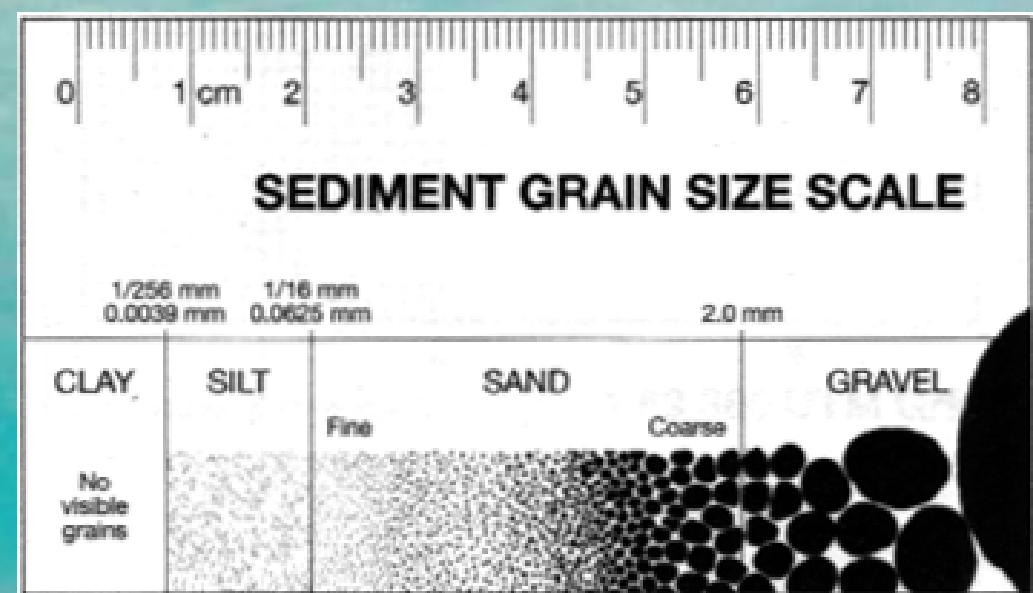
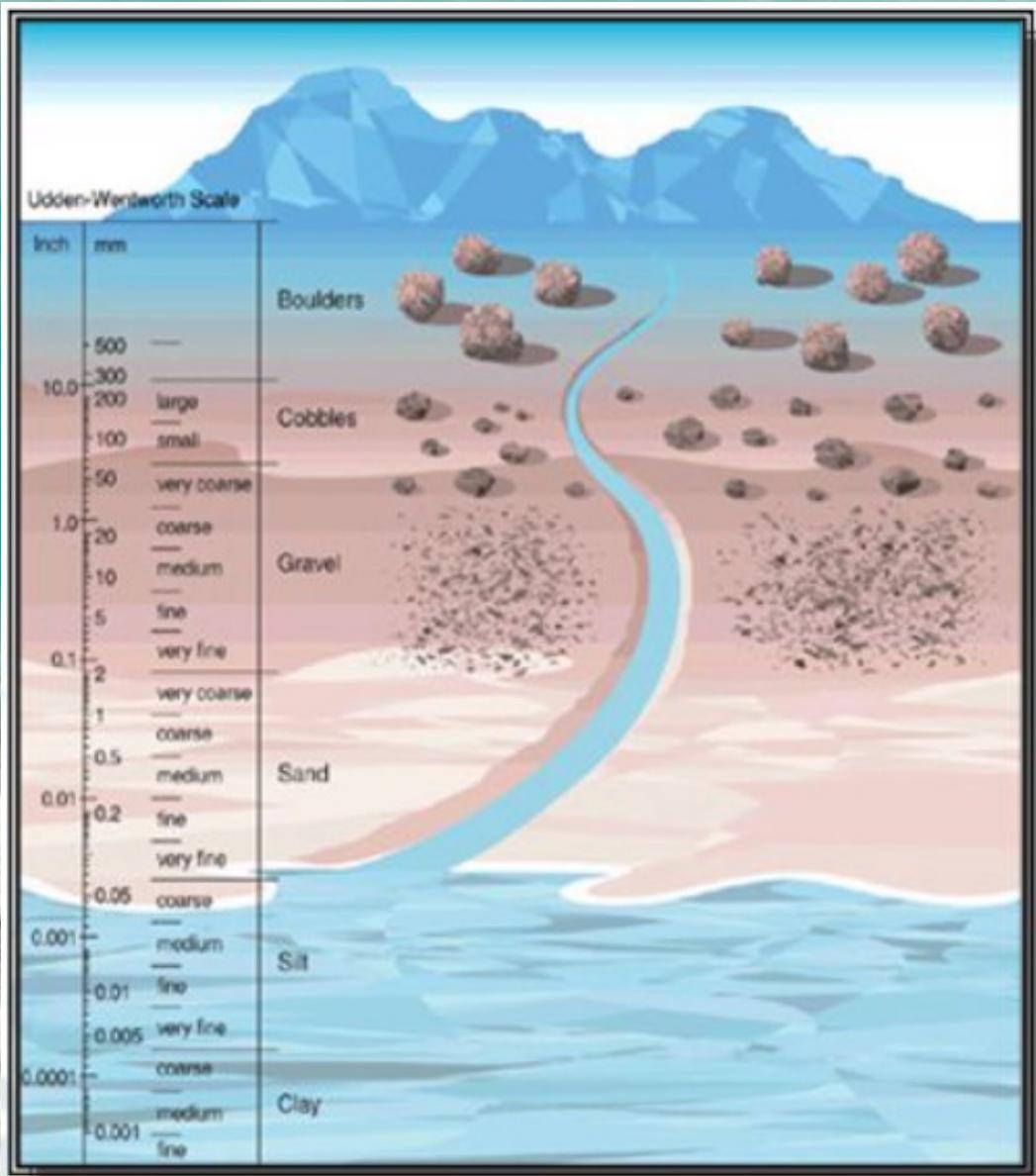




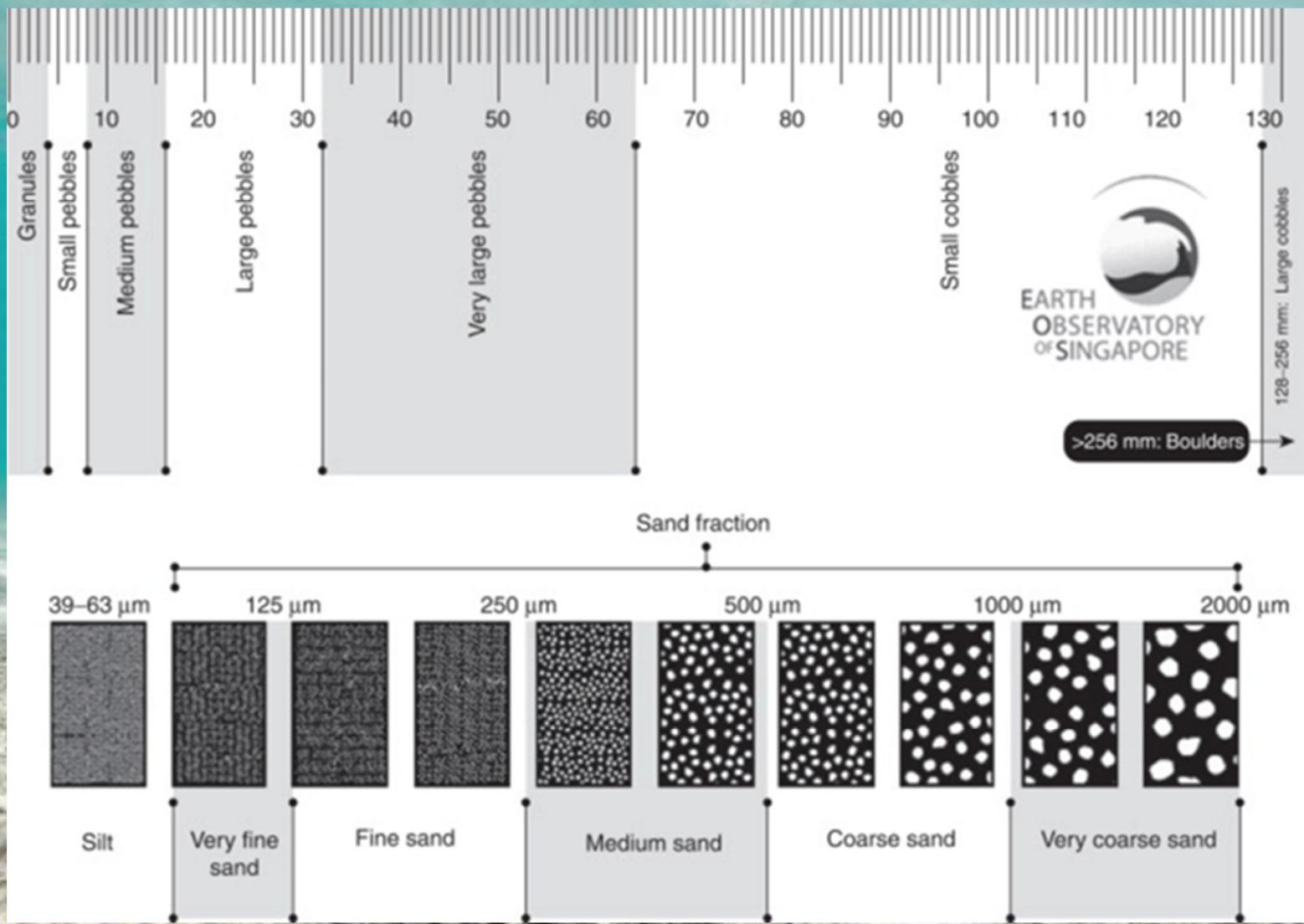


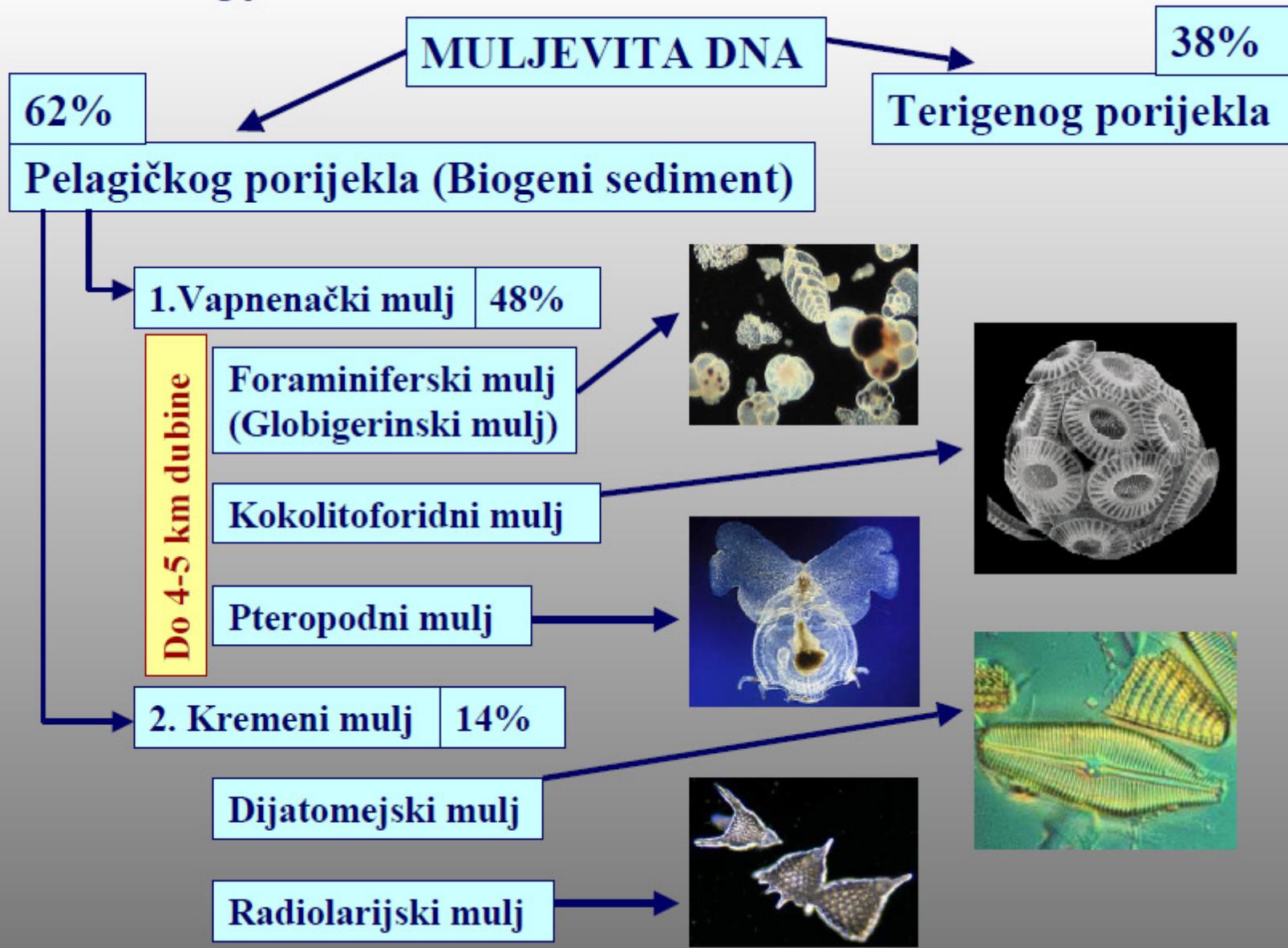
Raspodjela tipova sedimenata u svjetskim morima

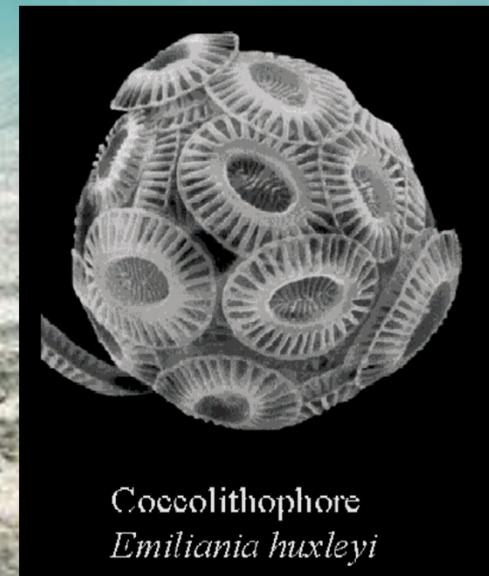
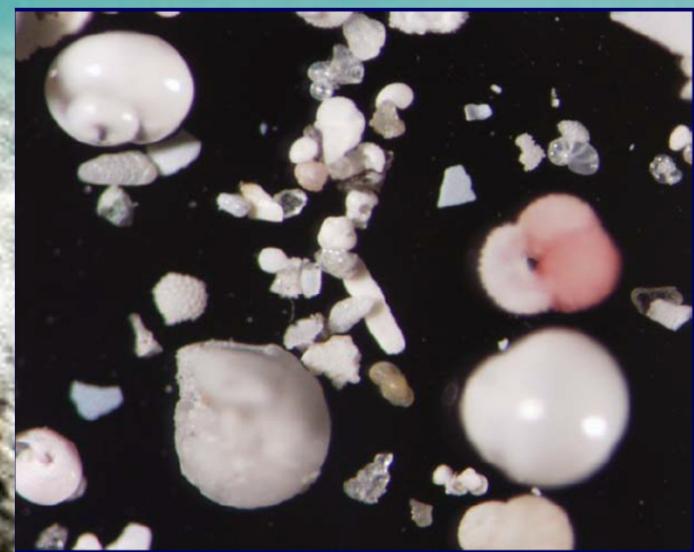
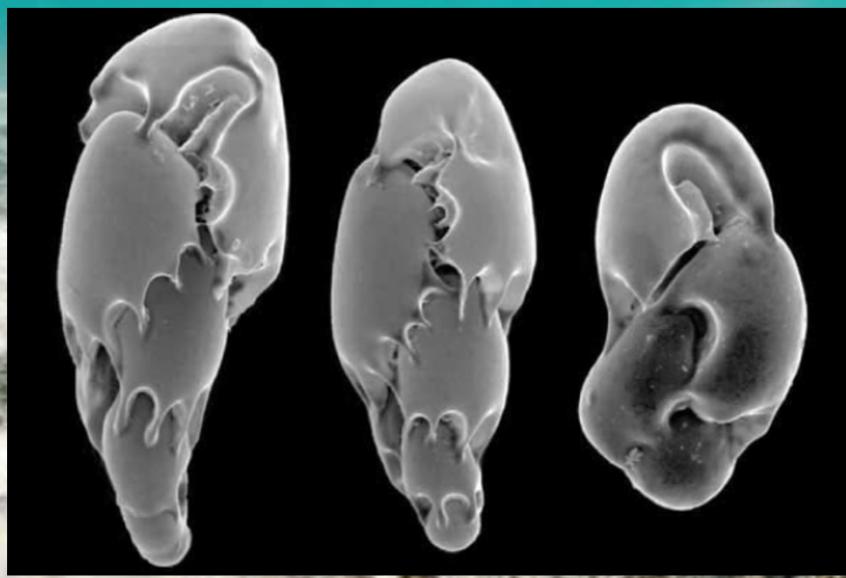
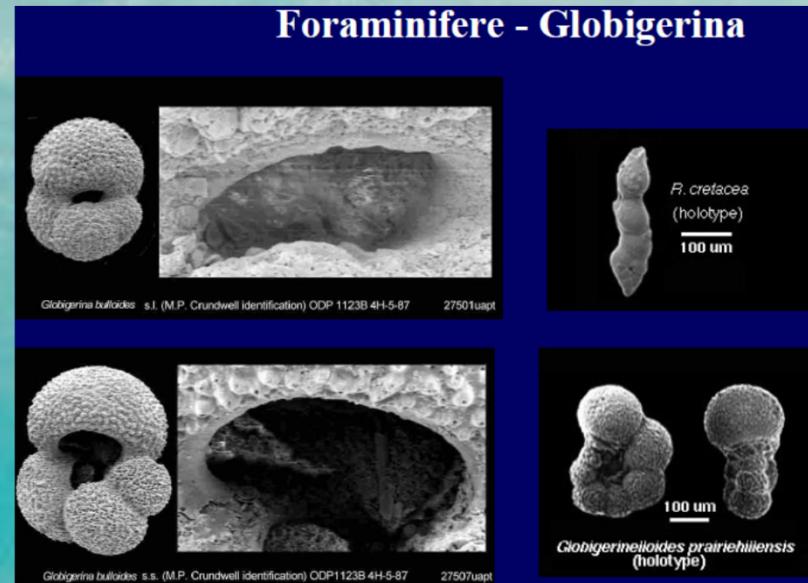
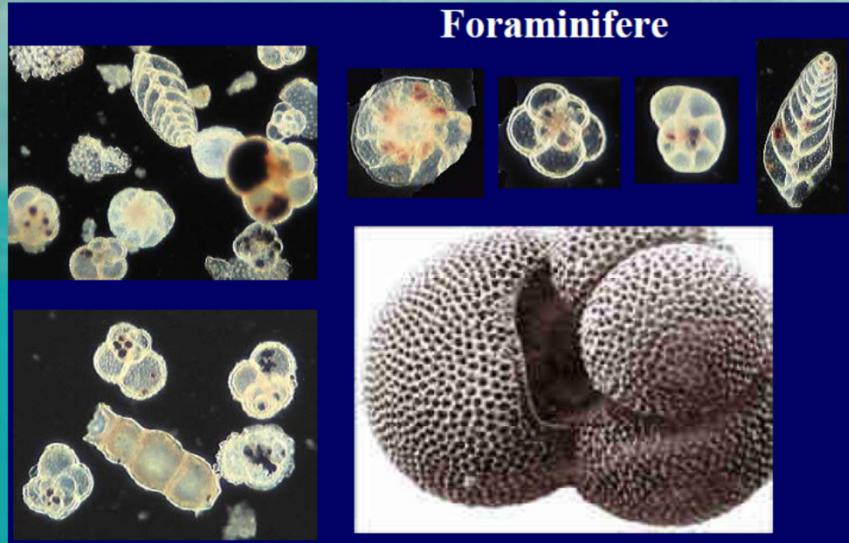




- Podjela sedimenata prema teksturi (veličini čestica)
 - Wentworthova skala uključuje:
 - STIJENA: $> 2 \text{ mm}$
 - PIJESAK: $62\mu\text{m} - 1 \text{ mm}$
 - MULJ: $4 - 31 \mu\text{m}$
 - GLINA: $< 1.5 \mu\text{m}$



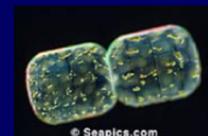




Pteropodni puž



Cerataulina sp.

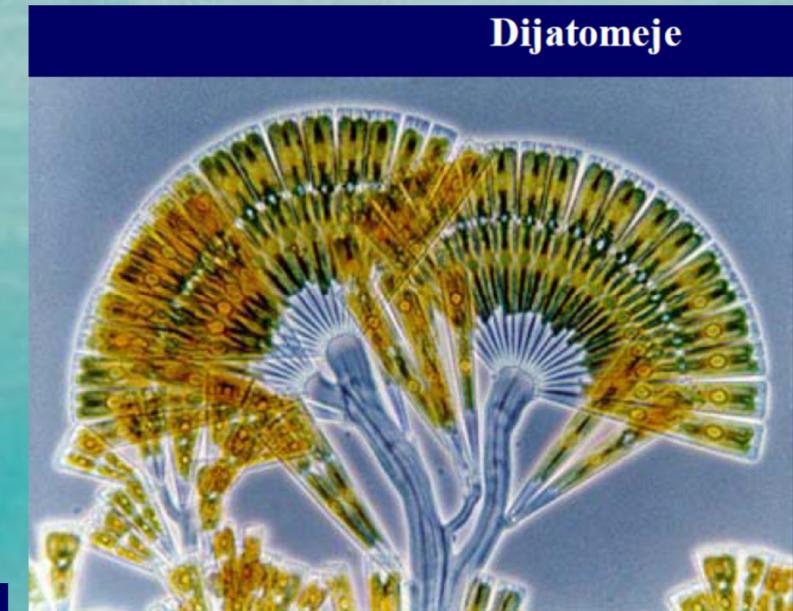


Dijatomeje

Licmophora sp.



Dijatomeje

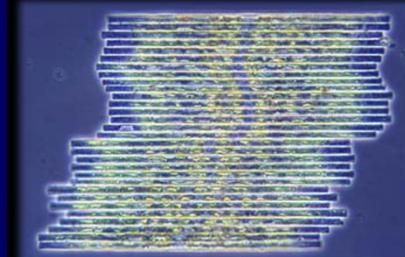
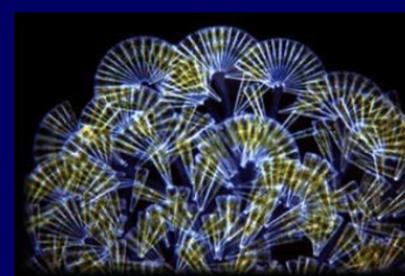


Dijatomeje

Epifitska dijatomeja *Rhabdonema sp.*



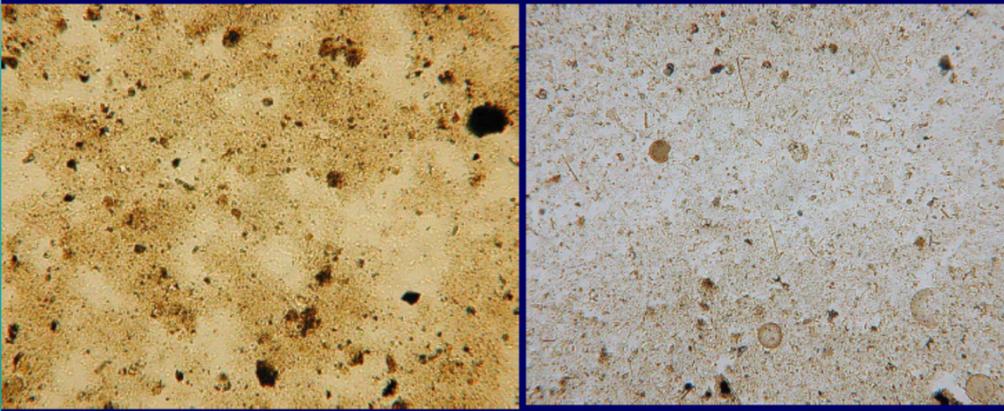
Dijatomeje



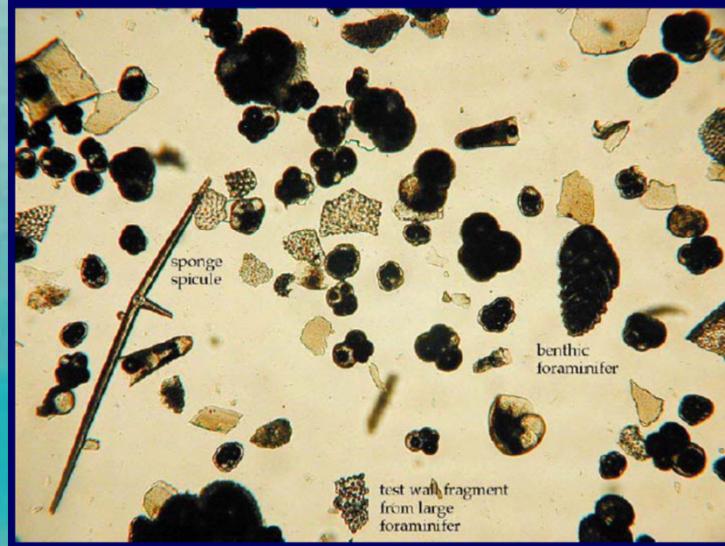
Radiolaria (zrakaši)



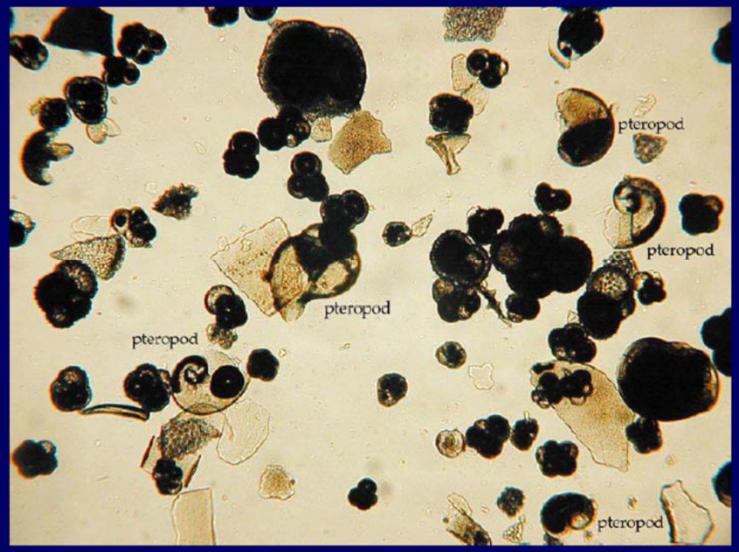
Dubokomorska crvena ilovača



Foraminifere i spikule sružava



Pteropodi i radiolarija



Maturity increases
Degree of sorting increases
Clay content decreases
Rounding of sand particles increases

