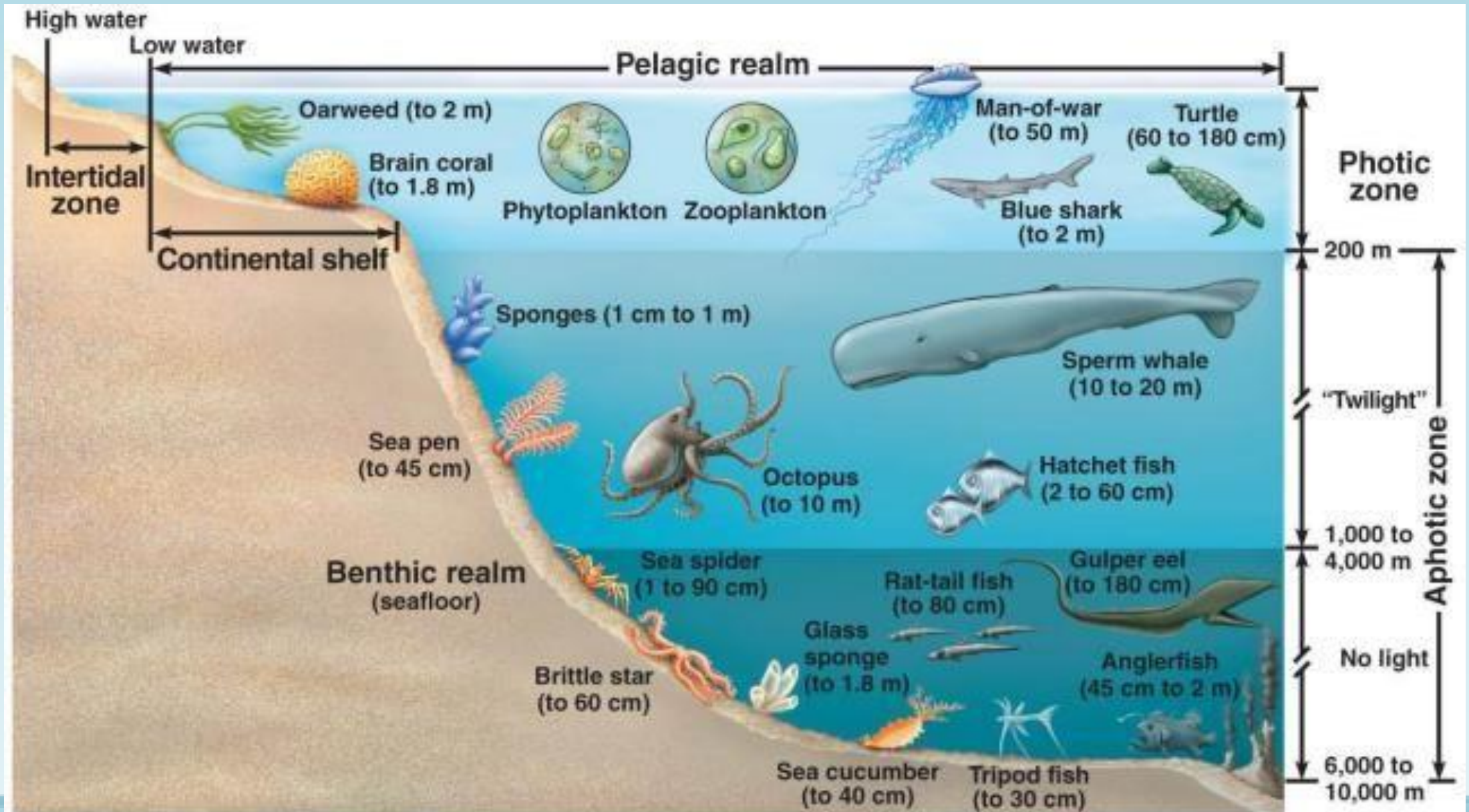
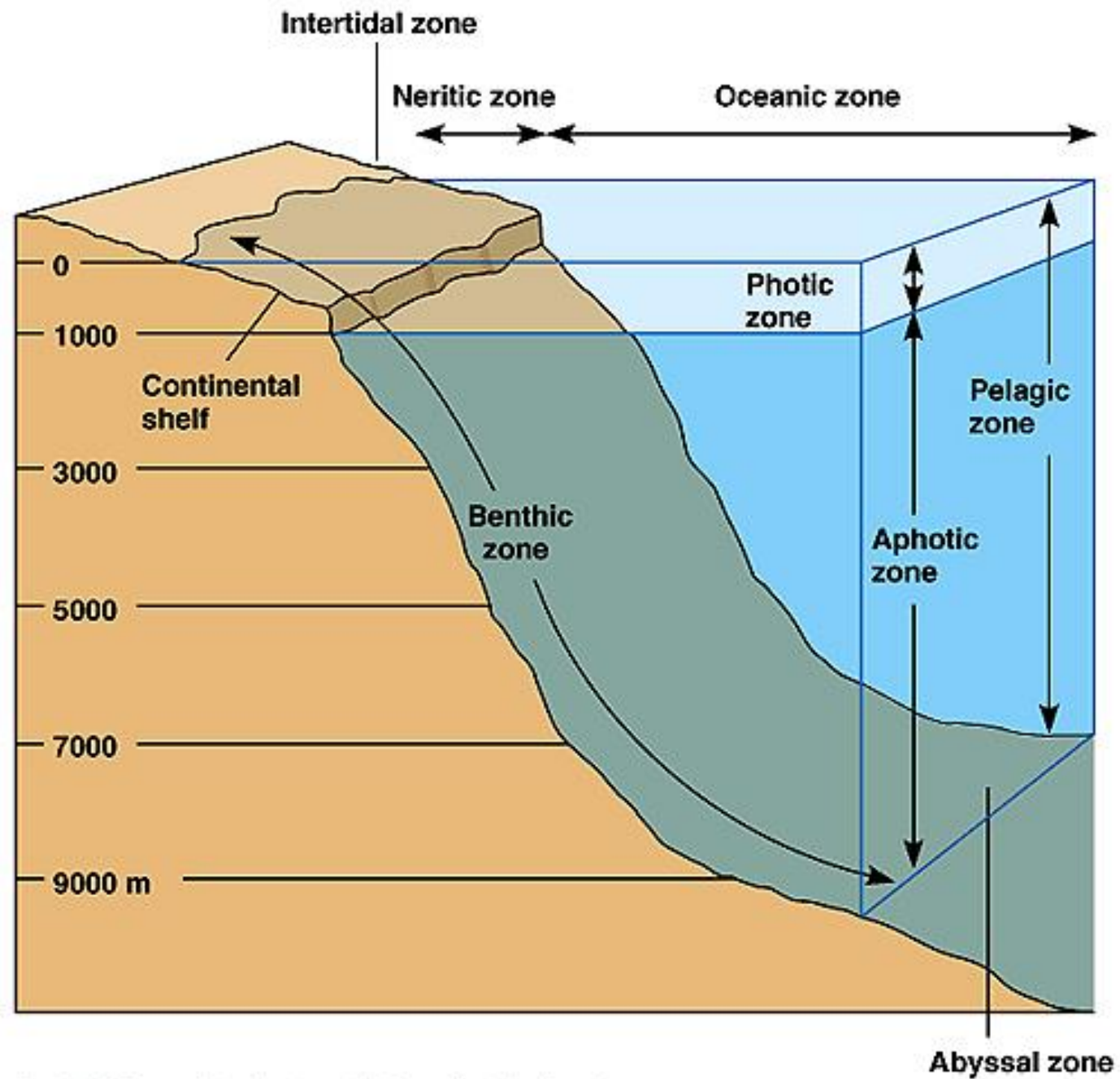


Ocean Zones

Ocean Zones

- The ocean has many different habitats that are defined by the physical and chemical properties that exist at different depths.
- The ocean is divided into 5 main zones from the surface to the depths where light can no longer penetrate.
- These zones are characterized by different physical and chemical properties, such as quantity and quality of light, pressure and temperature.
- These properties affect what life forms can exist within those limitations.
- <https://www.youtube.com/watch?v=oybBjbZnq9I>
- <https://www.youtube.com/watch?v=UwVNkfCov1k>





Intertidal Zone

- The intertidal zone is the area of the shore and seabed that is exposed to the air at low tide and submerged at high tide

<https://www.youtube.com/watch?v=DR1gP5S6Bsk>

<https://www.youtube.com/watch?v=f1dnocPQXDQ>

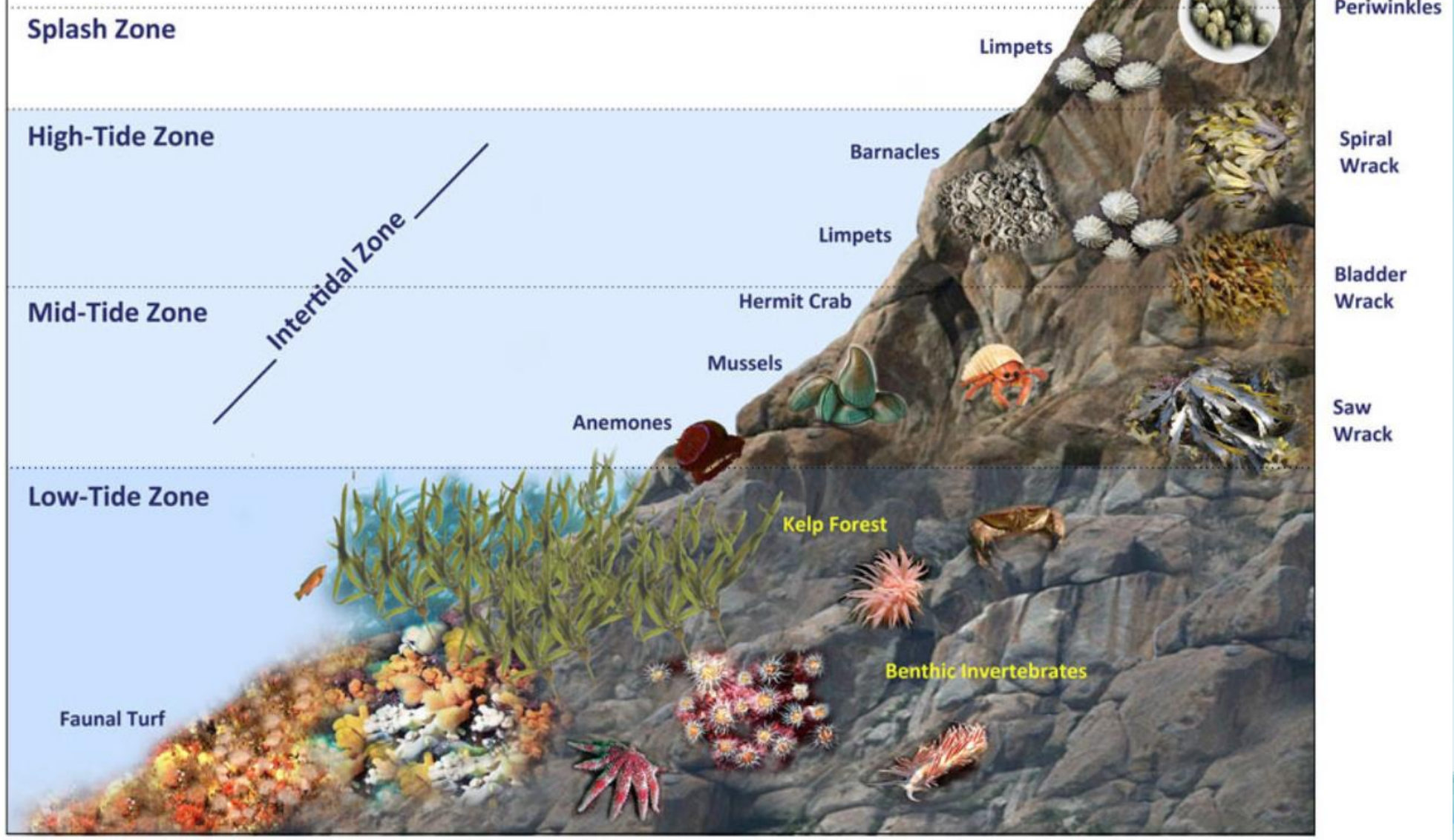


Intertidal Zone

- The environment is harsh, so most organisms are small and relatively uncomplicated because:
 - supply of water which marine organisms require to survive is intermittent.
 - The wave action around the shore can wash away or dislodge poorly suited or adapted organisms.
 - High exposure to the sun means the temperature range can be extreme from very hot to near freezing in frigid climates (with cold seas).
 - The salinity is much higher in the intertidal zone because salt water trapped in rock pools evaporates leaving behind salt deposits.



Rocky Shore Zonation



Neritic Zone

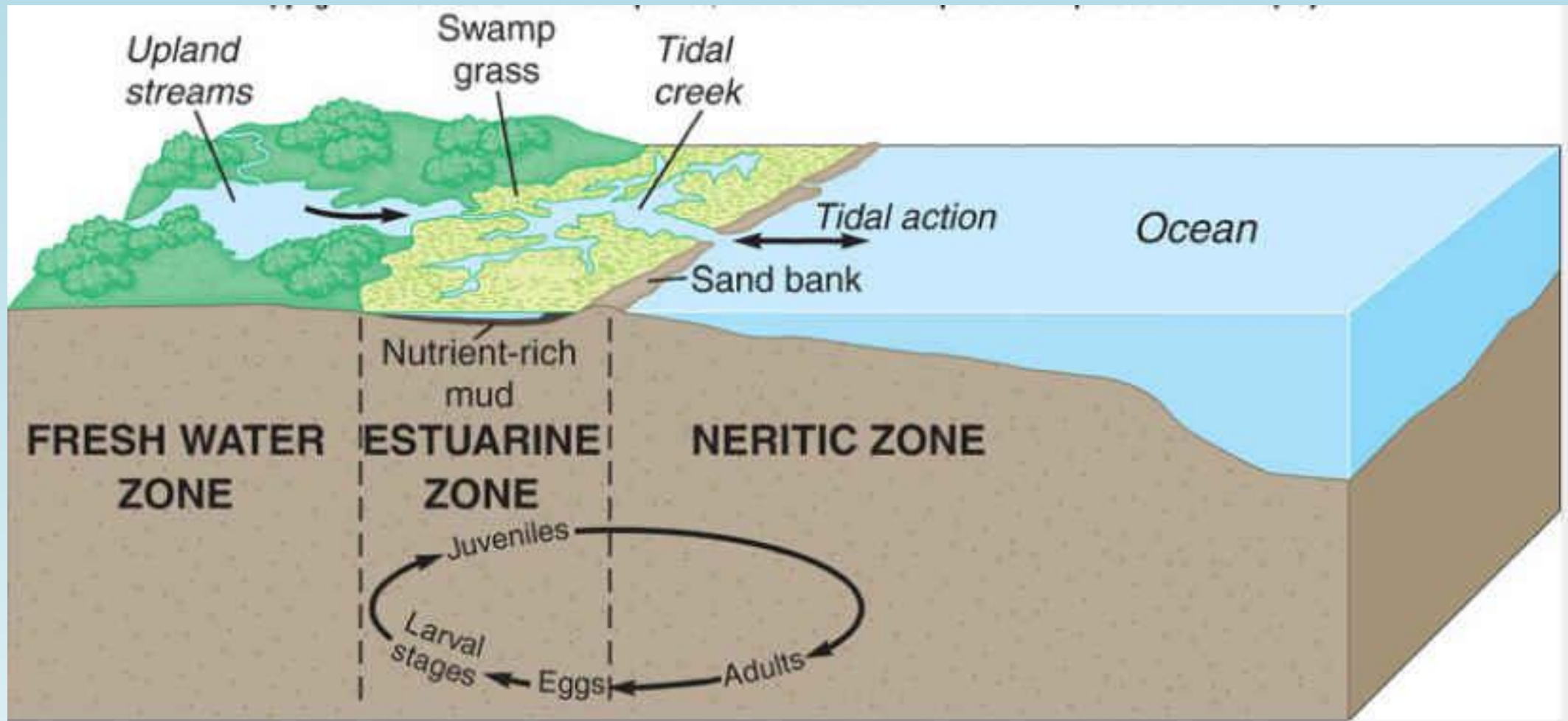
- Shallow marine environment extending from low tidal water to the edge of the continental shelf.
- Neritic waters are in the photic zone, meaning they are penetrated by sunlight, which permits photosynthesis by both plankton and bottom-dwelling organisms.
- The zone is characterized by high biodiversity due to ideal conditions like sunlight, warm water, and low pressure.
- <https://www.youtube.com/watch?v=ZiULxLLP32s>
- <https://www.youtube.com/watch?v=o-blz2ghKOU>



Neritic Zone

- Since this zone is so abundant in nutrients and sea life, it is a prime feeding ground for many fish. This also makes it a good fishing ground for humans.
- In places where fresh water empties into the ocean, the neritic zone sometimes contains species which can survive in fresh and salt water.





- Animal life in the Neritic Zone:
Many different **types, sizes, species.**

