

Hydrosphere

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Earth system

- Earth made up of five major parts or subsystems

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Atmosphere

The thin layer made up of a mixture of gases and particles suspended in the air that surround the Earth (predominantly N_2 , O_2 , Ar, CO_2 , and H_2O)

Hydrosphere

A sphere that includes the liquid ocean, inland water bodies, and groundwater

Cryosphere

A subset of the Hydrosphere that consists of frozen water

Geosphere

A sphere that includes the solid Earth; the core, mantle, crust, and soil layers

Biosphere

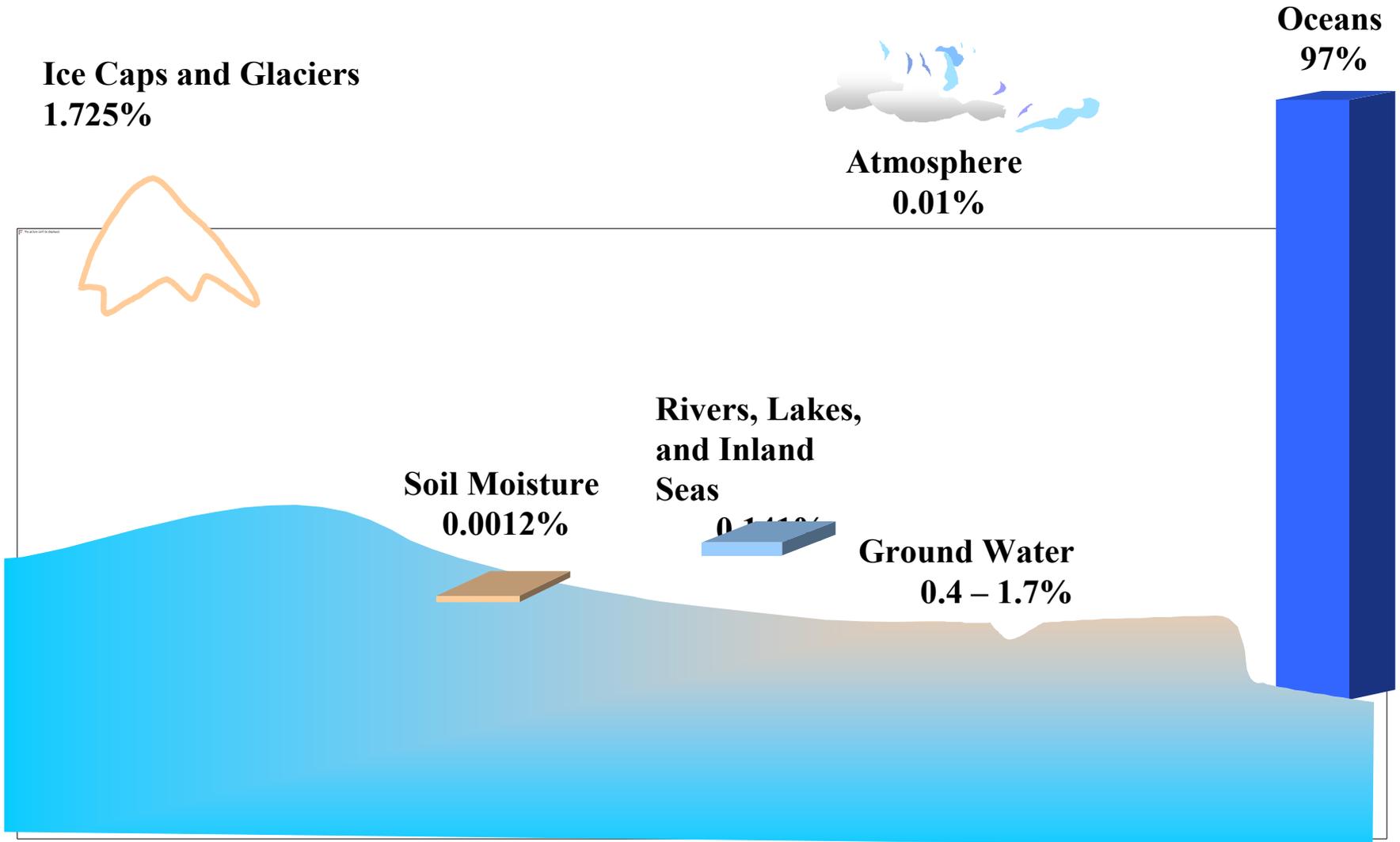
A sphere that Includes all of Earth's organisms, including humans, and matter that has not yet decomposed

Hydrosphere -

- The water layer of the earth's surface; includes water vapor

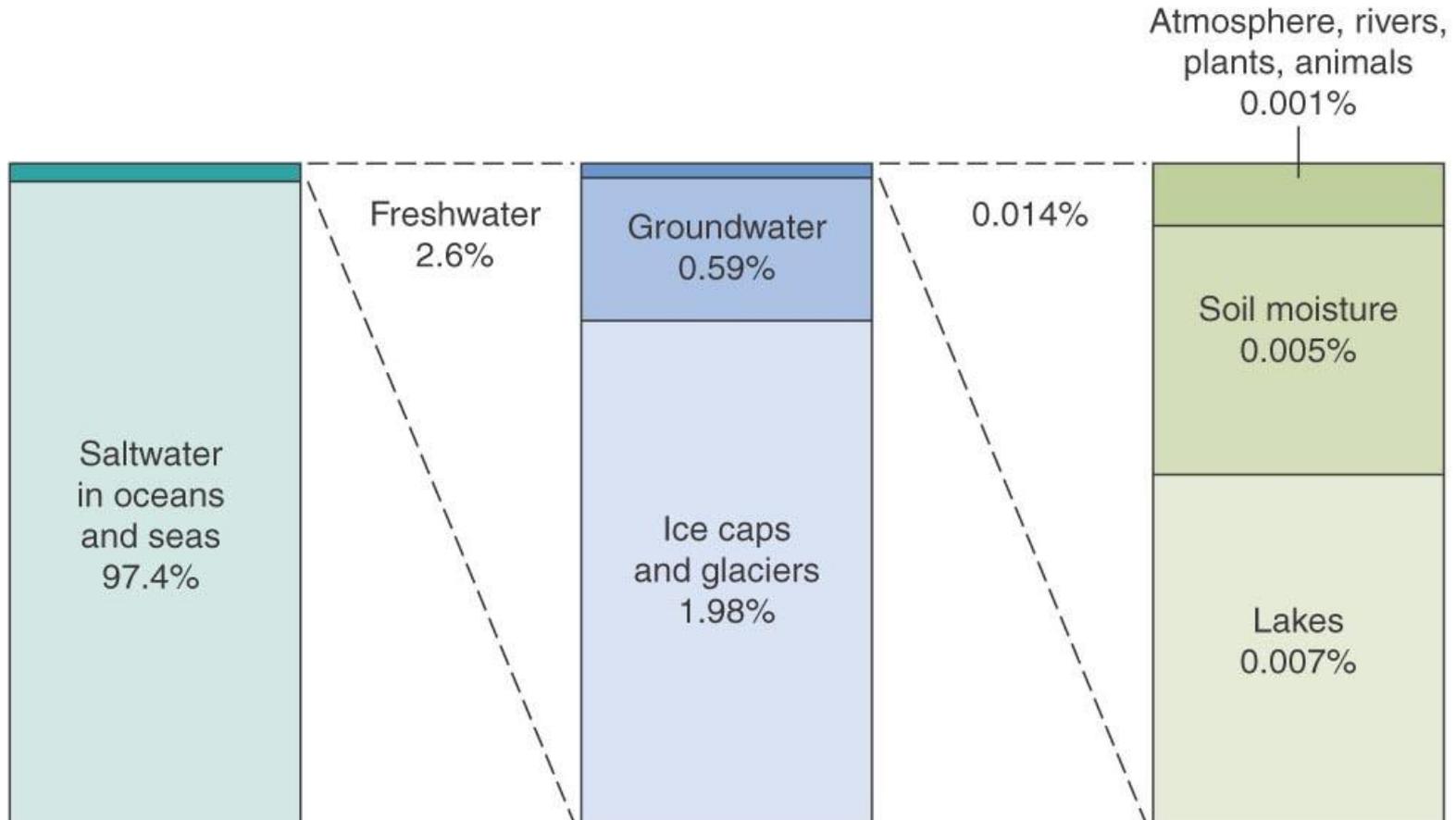
“All of the Water found in Earth”

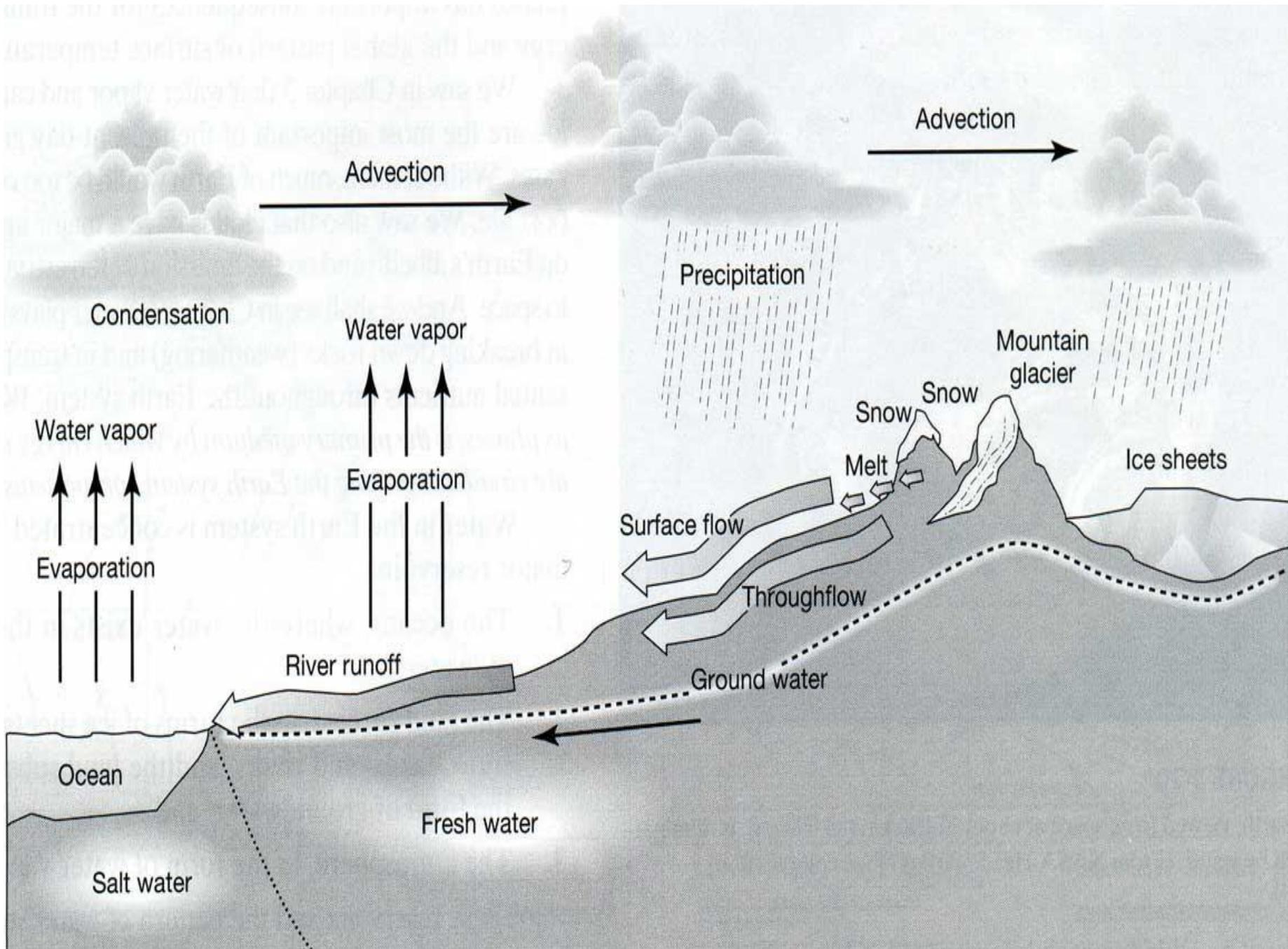
Distribution of Water Reservoirs

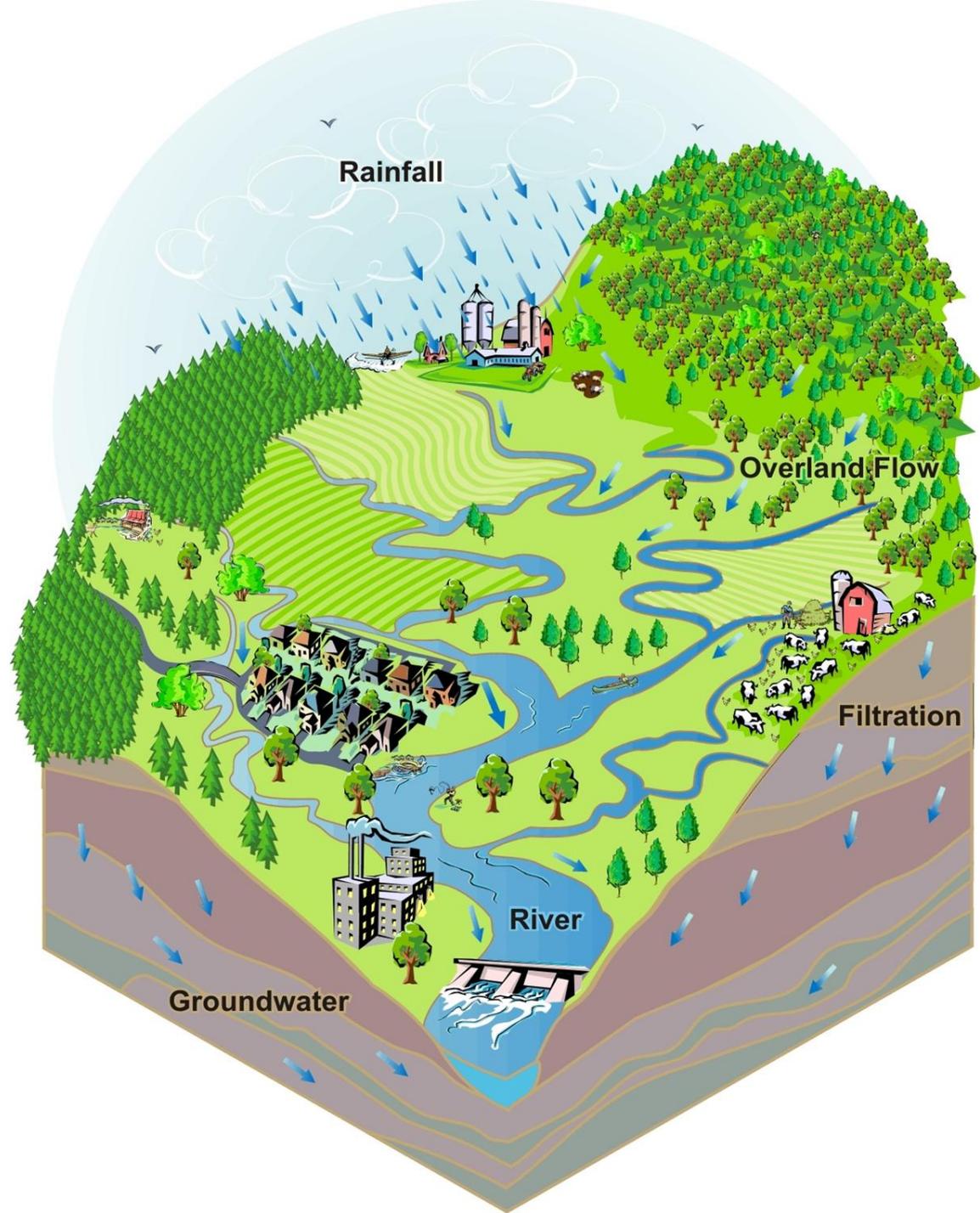


Distribution of Water on Earth

Percentages and sources of fresh and salt water in world









Creek

- **A small stream**



Stream-

A natural body of running water flowing on or under the earth



Pond

- A pond is a small lake, most often in a natural depression. Like a stream



Lake-

- A body of (usually fresh) water surrounded by land or any accumulation of water surrounded by land.

- **River-** a large natural stream of water, It is often a perennial water body and usually flows in a specific channel, with a considerable volume of water.





Estuary

An estuary is where a river meets the sea or ocean.



Back water-

- A body of water that was created by a flood or tide.



Bay-

- A bay is a body of water that is **partly enclosed by land.**



Gulf-

- A gulf is a **part of the ocean** (or sea) that is **partly surrounded by land** (it is usually larger than a bay).



Lagoon

- A body of comparatively shallow salt water separated from the deeper sea by a shallow or exposed sandbank, coral reef, or similar feature.



Sea

- A division of an ocean or a large body of salt water partially enclosed by land.





Ocean

- **A large body of water** constituting a principal part of the hydrosphere.



**NORTH
AMERICA**

**ATLANTIC
OCEAN**

ARCTIC OCEAN

EUROPE

ASIA

**PACIFIC
OCEAN**

**SOUTH
AMERICA**

AFRICA

**INDIAN
OCEAN**

AUSTRALIA

**PACIFIC
OCEAN**

**ATLANTIC
OCEAN**

ANTARCTICA

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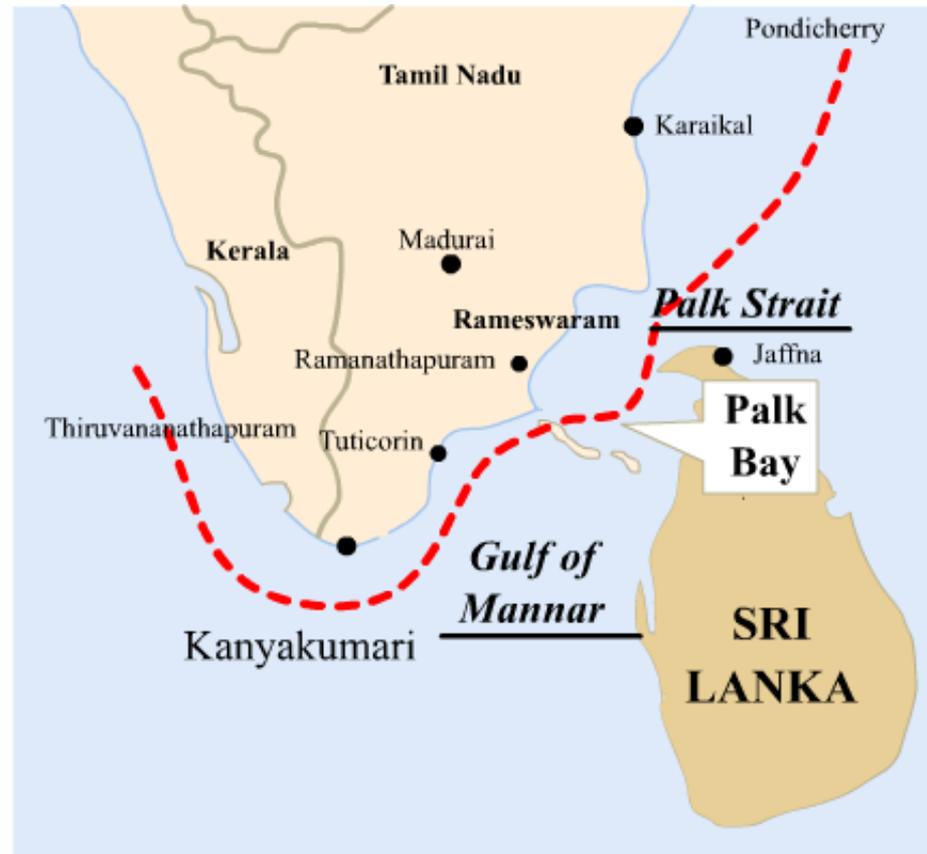
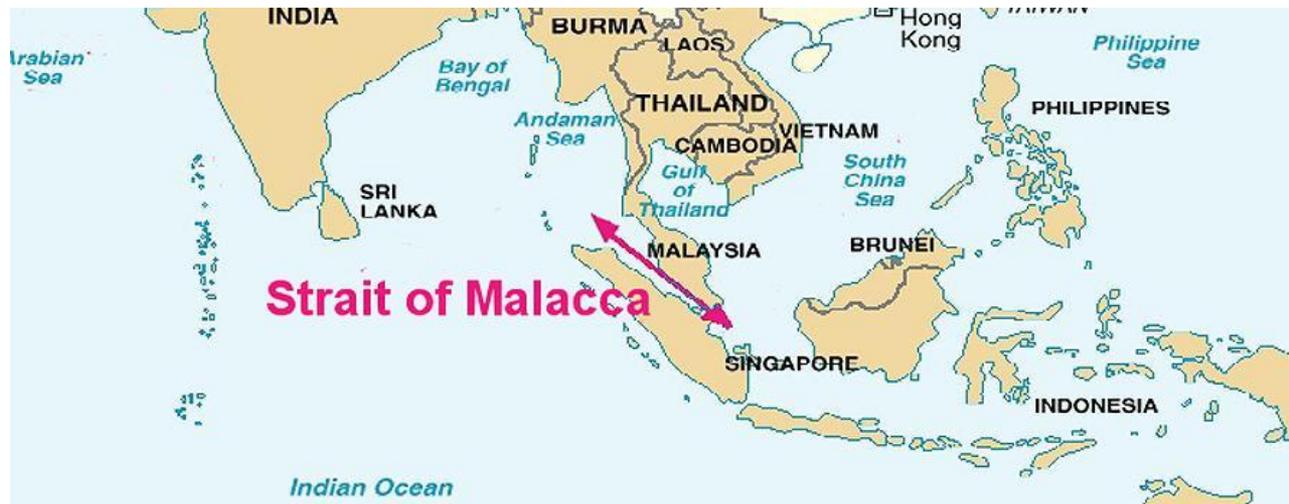
Table 1.1.2 Area and depth of the major oceans

	Area (million km ²)	Average depth (m)
Pacific	166	4282
Atlantic	87	3926
Indian	73	3963
Arctic	14	1205
Southern	20	4000



Strait-

- **A strait is a narrow body of water that connects two larger bodies of water.**



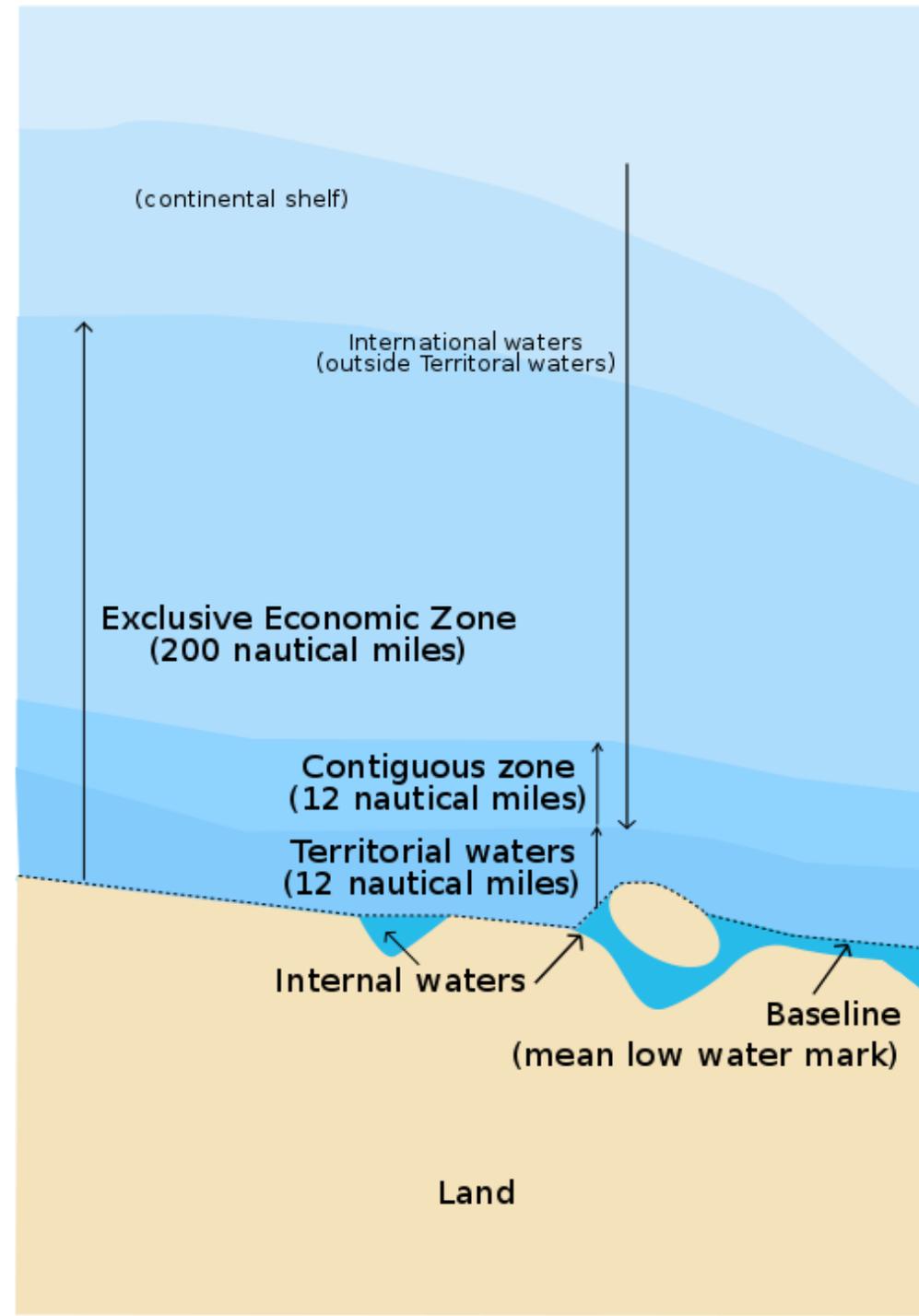


Fjord-

- A fjord is a long, narrow sea inlet that is bordered by steep cliffs.

Territorial water

- The waters surrounding a nation and its territories.

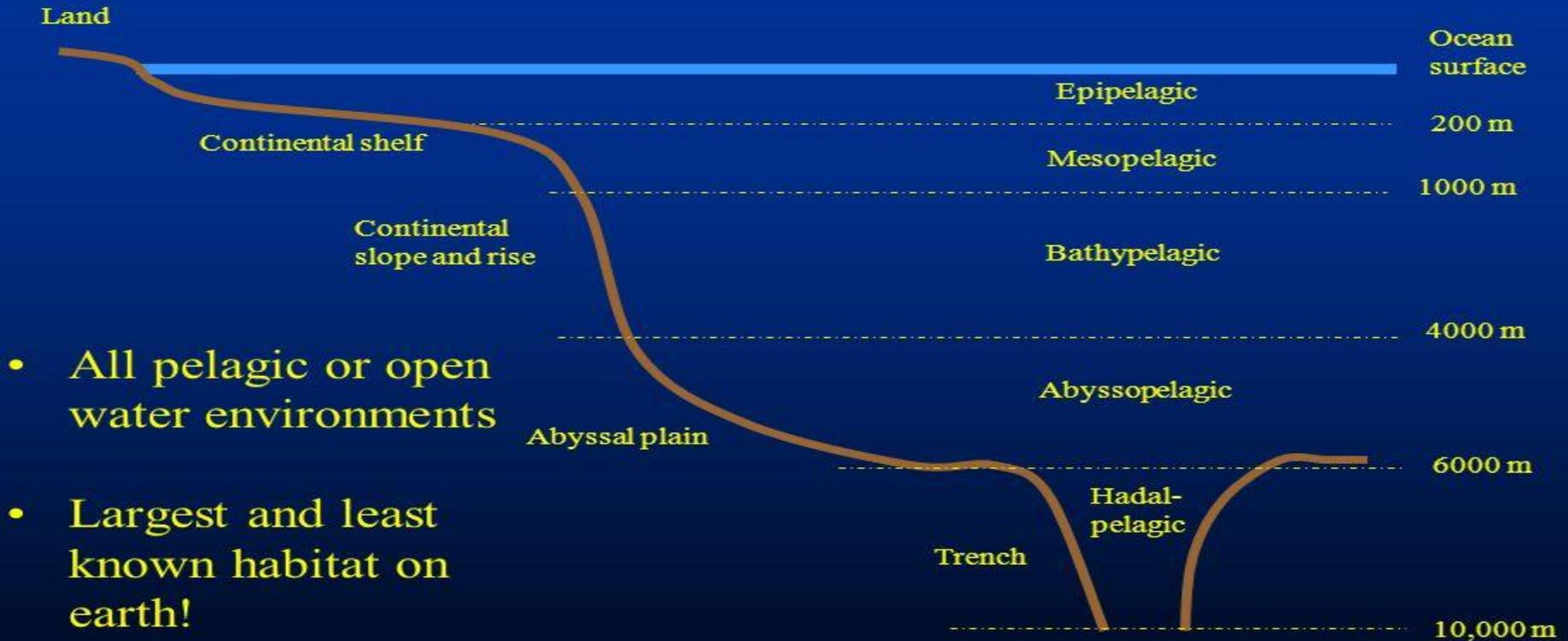




High Sea-

the open seas of the world outside the territorial waters of any nation

What is the midwater?



- The water that is well below the surface but also well above the bottom; "many marine fishes inhabit the mid-waters"

Thank You...

WORLD Oceans & Seas



