

# The ocean in figures

## Features of the Ocean

### Surface area

- ▶ Surface area around **360 000 000 km<sup>2</sup>** (1).
  - ❖ Salt water covers about **71%** of Earth's surface (2).

### Volume

- ▶ Total salt water volume around **1 300 000 000 km<sup>3</sup>** (3).
  - ❖ That is about **97%** of water available on Earth (1).

### Weight

- ▶ Total hydrosphere weight accounts for around **0.023%** of total planet weight (4).

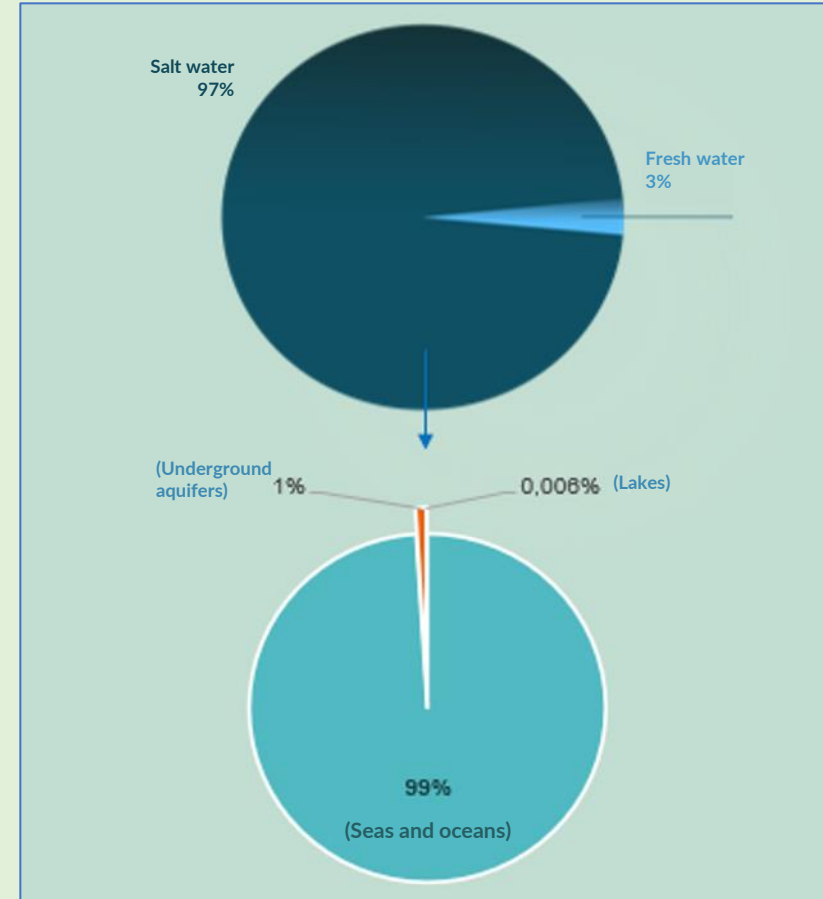
### Salinity

- ▶ Average salinity at **3.48%** (about 34g of salts in 1,000g of sea water) (5).

### Temperature

- ▶ Average temperature stands at **4°C** : (5)
  - ❖ In general, ocean temperatures range from **-2°C** in polar waters to **30°C** on the surface of tropical oceans (5).

Earth hydrosphere saltwater distribution



Source: Edited by IRES\_ <https://www.cieau.com/connaitre-leau/leau-dans-la-nature/eau-douce-tout-savoir/> ;  
<https://www.alloprof.qc.ca/fr/eleves/bv/sciences/l-hydrosphere-s1340>;  
<https://planeteviable.org/repartition-eau-sur-terre/>

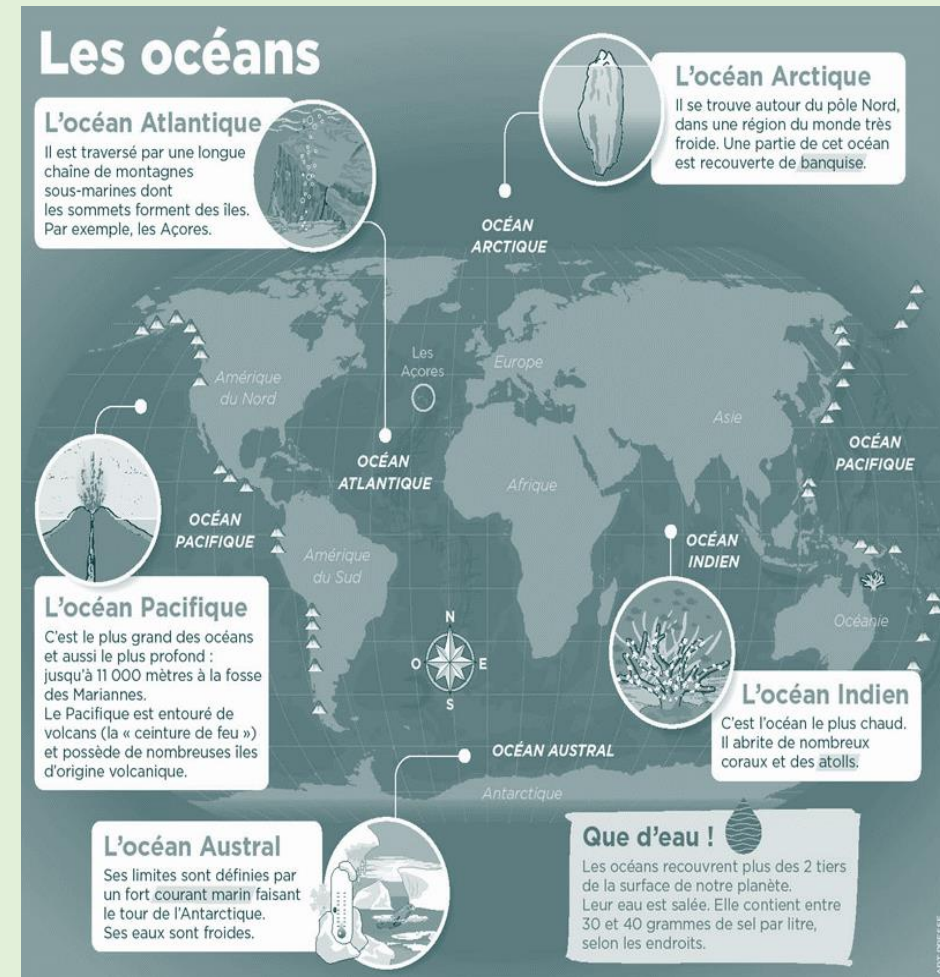
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## Ocean depth:

- ▶ Average Depth **3.682 m** (6).
  - ❖ Nearly half of all marine waters globally are at a depth exceeding **3.000 m** (4).
  - ❖ Deep water (depth over 200 m) covers approximately 66% of Earth's surface (4)(7).
- ▶ Maximum Depth **11.000 m** (8).
  - ❖ Compared to **9.000 m** for the highest peak on Earth's landmass (8).
- ▶ Light disappears completely at a depth of **200 m** (8)

## The ocean: a little explored planet

- ▶ Total known marine species in 2021: around 240,000 species (9).
  - ❖ There are still nearly 2,000,000 marine species to be discovered, *i.e.* over 9 species out of 10 (9).
- ▶ Between 1,000 and 1,500 new marine species are identified each year (9).



**Source:** Processed by IRES\_developed by the auteurs of ART PRESSE INFOGRAPHIE, information from: PNUD, OHI, BLUTOPIA et Ocean Climate Laboratory (OCL)

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## References

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