



## HYDROSPHERE

**Continental waters** have low salinity levels. They are fresh water as opposed to seawater or salt water. They can be found in **rivers, lakes, glaciers, the poles and aquifers or groundwater.**

**Oceanic water** or the water in seas and oceans is in constant movement. There are three types of movement:

- **Waves** are undulations on the surface of the sea caused by winds. Waves cause coastal erosion, which gradually changes the shape of the coastline.
- **Tides** are daily the rise and fall of sea levels caused by the influence of the moon. When the water level rises, it is called high tide. When it falls, it is called low tide.
- **Ocean currents** are huge movements of water in the oceans from one point of an ocean to another. They can be warm currents or cold currents. Warm currents are warmer than the surrounding water because they start in warmer places. Cold currents are colder than the surrounding water because they start in colder places. So Ocean currents can make the climate warmer or colder.

### 1. Fill in the gaps using the words in the box:

Fresh water- exciting- low tide- warm- waves- currents- high tide- lowest

\_\_\_\_\_ contains salt, but \_\_\_\_\_ does not. The highest level of the sea is called \_\_\_\_\_ and the \_\_\_\_\_ level is called \_\_\_\_\_. Ocean \_\_\_\_\_ can be \_\_\_\_\_ or cold. Surfing is more \_\_\_\_\_ if there are big \_\_\_\_\_.

### 2. True or false:

- The hydrosphere is the mass of all the fresh water on Earth.
- Fresh water is mainly found on Earth as ice.
- The cold areas on Earth can be bathed by warm currents.
- The wind moves the deep areas in the sea to cause the waves.

### 3. What is the hydrosphere?

### 4. What forms does water take? What is more abundant on Earth and in what proportions?

### 5. What causes the action of waves? And tides?

### 6. What are the sentences describing?

- a) They are produced by the action of the wind on the surface of the water.
- b) The Moon's gravitational pull produces them.
- c) The time in a day when the level of the sea on the coast is at its lowest.
- d) They can be warm or cold and move like big rivers across oceans.



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The **hydrosphere** is made up of all the water on the Earth. This includes the water in the seas, oceans, rivers, lakes, polar ice, groundwater and the water vapour in the atmosphere.

**Water** is the most abundant resource on the Earth. It can be found in a solid (ice), liquid (water) or gaseous (vapour) state.

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