

2. The temperature of the oceans varies vertically with increasing depth.
3. The ocean currents move in anti-clockwise direction in the northern hemisphere.

Which of the above statements is/are correct?

- a) 1, 3
- b) 2 only
- c) 1, 2
- d) 1, 2, 3

Solution: c)

On an average, **salinity decreases from equator towards the poles**. It may be mentioned that the highest salinity is seldom recorded near the equator though this zone records high temperature and evaporation, but high rainfall reduces the relative proportion of salt. Thus, the equator accounts for only 35^{0}_{00} salinity.

The temperature of the oceans varies vertically with increasing depth. Refer the graph on temperature and depth.

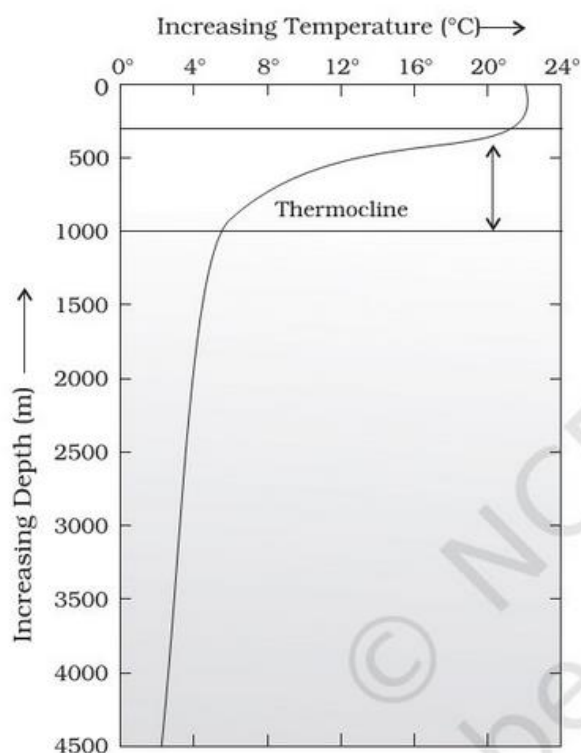


Figure 13.3 : Thermocline

The ocean currents move in clockwise direction in the northern hemisphere.

9) Consider the following statements regarding Palaeochannel.

1. A palaeochannel is a remnant of an inactive river or stream channel that has been filled or buried by younger sediment.
2. It reveals the course of rivers that have ceased to exist.
3. Palaeochannels can host ore deposits of uranium, lignite and precious metals.

Which of the above statements is/are correct?

- a) 1, 2
- b) 1, 3
- c) 2, 3
- d) 1, 2, 3

Solution: d)