

## 22. Atmosphere – climate

Climate = long-term conditions of the atmosphere in a place/region. It is more stable than weather and influenced by many factors:

*Latitude* – the greater the latitude, the less the insolation

*Distance from the sea* – the longer the distance, the greater the temperature extremes

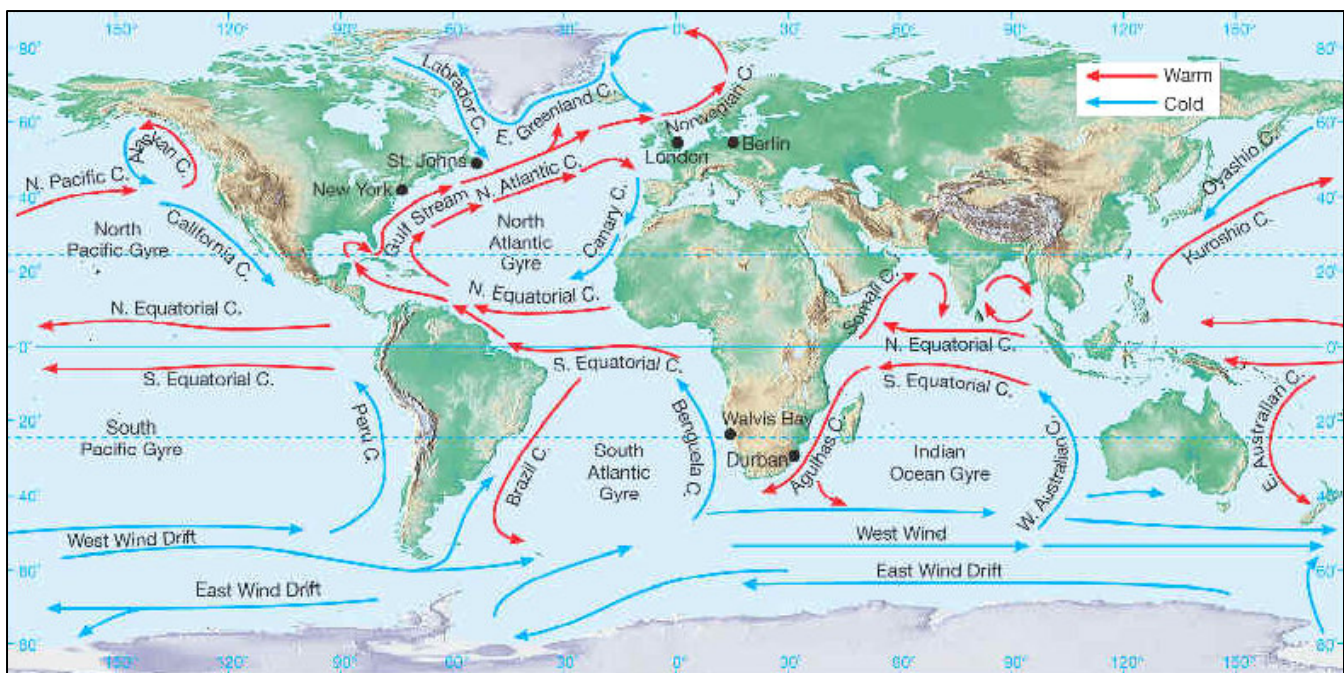
*Global circulation within troposphere* – transport of different (warm and cold) air masses

*Ocean currents* – influence coastal areas

*Altitude* – with increasing altitude, temperature drops about  $0.6^{\circ}\text{C}$

*Relief* – whether there are mountains or not

*Anthropogenic activities* – deforestation hence change of vegetation cover, etc.



### **Keywords**

climate, latitude, insolation, temperature extremes, air mass, ocean current, coastal areas, altitude