



1. 30.1-29.95. 2. 29.95-29.7. 3. 29.7-29.5. 4. Under 29.5. Pressure in inches.
 → = Direction of prevailing winds.

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exposed to sea-winds, for example, experience a smaller **range of temperature**—i.e., amount of difference between their maximum and minimum temperatures—than those exposed to land winds, because water changes its temperature more slowly than land. There is, therefore, a very wide range of temperature in places in the interior of Asia, which, on account of the size of the continent and arrangement of the ranges, is cut off from sea-winds. The same is also true in a modified degree of places on the east coast in the temperate zone, because these are exposed in winter to more or less northerly land winds.

Winds are also warmed or chilled by ocean currents over which they pass, and carry their raised or lowered temperature inland. Thus Japan gains much from the warm **Kuro-shiwo** current, which flows northwards along its eastern coast; while a branch of the same, penetrating the Sea of Japan, strikes the north-west coast of the main island. On the other hand, the north-eastern coast of Siberia is affected unfavourably by the cold current that flows past it from the Bering Strait.

8. Slope of land glaciation & cutting down of forests