

CLIMATE

The average weather pattern taken over a long period of time is called climate.

TYPES OF CLIMATE :-

- I) Polar climate
- II) Tropical climate
- III) Temperate climate
- IV) Desert climate

I) Polar climate :-

Because of very little rainfall and extreme low temperature the climate of polar region is cold and dry.

II) Tropical climate :-

Tropical regions consist of very high temperature and heavy rainfall. So the climate of tropical region is hot and humid / wet.

III) Temperate climate :-

Due to moderate rainfall and temperature, Temperate climate is also called moderate temperature.

IV) Desert climate :-

Hot desert region consists of very little rainfall and high temperature. So its climate is Hot and dry.
But the climate of cold desert is cold and dry.

***ADAPTATION:-**

The presence of specific body features in plants and animals which enable them to live in a particular habitat is called adaptation.

***SOME ADAPTATIONS IN ANIMALS OF POLAR REGIONS**

I) The polar bear

Polar bears are well adapted for survival in the Arctic. Their adaptations include:

a white appearance - as camouflage from prey on the snow and ice
thick layers of fat and fur - for insulation against the cold
a small surface area to volume ratio - to minimise heat loss
a greasy coat that sheds water after swimming - to help reduce heat loss
large feet - to distribute their load and increase grip on the ice
Its white colour helps it blend in with the white background.

II) Penguin

Thick skin and a lot of fat protect it from cold
They huddle together in groups to keep themselves warm
They have webbed feet and they streamline their body while swimming which makes them good swimmers.