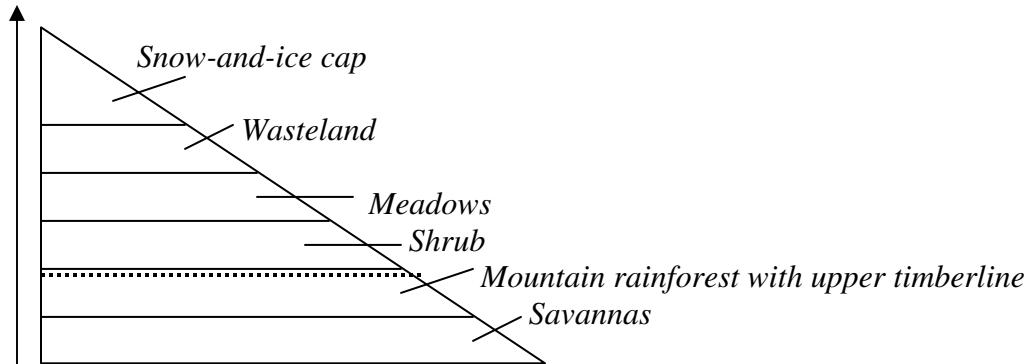


34. Biosphere – vertical zonation

With changing climate and increasing altitude, flora and fauna has been organized into several vertical zones (stages).

The Tropics (Kilimanjaro)

In tropical areas, vegetation zonation is totally different in comparison with Slovakia. *Upper timberline* reaches up to 3500 m asl. Then come *shrub* followed by *meadows* and high-elevation (mountain) *wasteland*. Mountain's top is covered by eternal *snow and ice*.



Slovakia

In our country it is as the table shows:

Stage (Level)	Reached altitude	Species
<i>Flood-plain forests</i>	up to 300 m asl.	willow, poplar-tree, ash-tree
<i>Oak level</i>	up to 550 m asl.	oak, horn-beam, lime, chestnut, birch,
<i>Beech level</i>	1300 m asl.	beech, maple, fir
<i>Spruce level</i>	1600 m asl.	fir, spruce, pine, larch
<i>Dwarf pine level</i>	1600+ m asl.	dwarf pines
<i>Alpine meadows</i>	1800+ m asl.	grass, herbs
<i>Rocks and ice</i>	1800+ m asl.	bare rocks and glaciers

Keywords

upper timberline, shrub, meadows, wasteland, eternal snow and ice, flood-plain forests, all the species found in the table