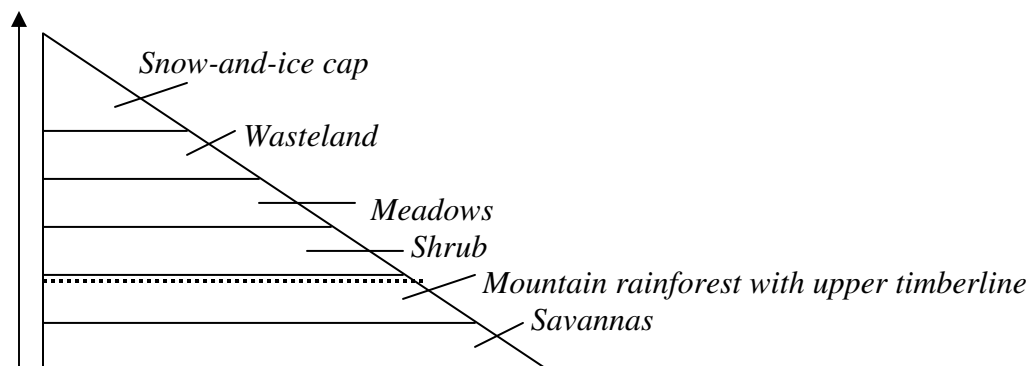


### 34. Biosphere – vertical zonation

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:

<b>Stage (Level)</b>	<b>Reached altitude</b>	<b>Species</b>
<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