

# Terrestrial Biome Characteristics

BIOME	Climate	Dominate Plants	Typical Animals	Location
<p><b>Tundra:</b></p> <p><b>2 Types:</b> <b>Arctic &amp; Alpine</b></p>	<ul style="list-style-type: none"> <li>Extremely cold</li> <li>Coldest of all the biomes</li> <li>Desert-like conditions</li> <li>Permafrost</li> </ul> <p><b>Temp:</b> -26°-12°C or -19°-54°F</p> <p><b>Rainfall:</b> 30-50cm or 12-20 inches</p>	<p>low shrubs, sedges, mosses, liverworts, grasses, lichen, some flowers (low diversity)</p> <p>Limited soil drainage</p> <p>Poor soil quality</p>	<p><b>Herbivorous mammals:</b> Lemmings, caribou, arctic rabbits, squirrels</p> <p><b>Carnivorous mammals:</b> Arctic foxes, polar bears and wolves</p> <p><b>Migratory birds:</b> Ravens, falcons, loons, sandpipers, snow birds</p> <p><b>Insects:</b> grasshoppers Mosquitos, flies, moths, arctic bumble bees</p> <p><b>Fish:</b> cod, salmon, trout</p>	<p>North pole</p> <p>Northern North America, Asia and Europe</p>
<p><b>Mountain (Alpine Tundra)</b></p>	<p>Cold, snow covered mountain tops</p>	<p>Growing season 180 days</p> <p>Soil is well drained</p> <p>Plants similar to arctic tundra and can include dwarf trees, small leafed shrubs</p>	<p><b>Mammals:</b> marmots, mountain goats, sheep, elk</p> <p><b>Birds:</b> gooselike birds</p> <p><b>Insects:</b> Springtails, beetles, grasshoppers, butterflies</p>	<p>On mountains throughout the world at high altitude where trees cannot grow.</p>
<p><b>Grassland Savanna (tropical)</b></p>	<p>Warm/hot climates</p> <p><b>Temp:</b> 16-34°C or 61-93°F</p> <p><b>Rainfall:</b> 150cm or 59 inches</p> <p>Rainfall is concentrated, followed by a long drought</p>	<p>Characterized by grasses rather than shrubs or trees</p>	<p>Elephants, antelope, giraffes, zebras, kangaroos, mice, moles, snakes, lions, leopards, hyenas</p>	<p>Africa</p> <p>Australia</p> <p>South America</p> <p>India</p>
<p>➤ Temperate Grassland</p> <p>➤ Steppes (hot summers, cold winters)</p>	<p><b>Temp:</b> 0-30°C or 32-86°F</p> <p><b>Rainfall:</b> 25-75cm or 10 – 29.5 inches</p>	<p>Dominated by grasses</p> <p>Rich fertile soils</p>	<p>Coyotes, badgers, rabbits, prairie dogs, cattle, bison, hawks, owls, rodents, reptile and insects</p>	<p>Interior parts of continents, prairies in North America and Veldts in southern Africa</p>
<p><b>Desert</b></p>	<p><b>Temp:</b> 7-38°C or 45-100°F</p> <p><b>Rainfall:</b> less than 10 inches/year</p> <p>**Not all deserts are hot</p>	<p>Cacti, succulents</p>	<p>Mountain lion</p> <p>Foxes, bobcats, bighorn sheep, rats</p> <p>rodents</p> <p>Insects and Reptiles</p>	<p>North Africa</p> <p>Central Australia</p> <p>Southwestern United States, and eastern Asia</p>

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<p><b>Taiga</b></p> <p><b>AKA:</b> <b>Coniferous Forest</b></p> <p><b>Or:</b> <b>Boreal Forest</b></p>	<p>Bitter cold winters Long winters/Short summers Summers are mild <b>Temp:</b> -10-14°C or 14-57°F <b>Rainfall:</b> 35-75 cm or 14 - 29.5 inches</p>	<p>Cone bearing evergreen trees Pines, firs, hemlock, spruce Needle leaves</p>	<p>Moose, bears, wolves, lynx, weasels, beavers</p>	<p>Found south of the tundra Northern Europe Asia and North America</p>
<p><b>Temperate Deciduous Forest</b></p>	<p>Definitive seasons Warmer winters and longer summers compared to the Taiga.  <b>Temp:</b> 6° - 28°C or 43° - 82° F <b>Rainfall:</b> 75-125cm or 28.5 – 49 inches</p>	<p>Deciduous trees (trees that lose all their leaves in fall) Birch, beech, maple, oak, hickory, elm and cottonwood Deciduous trees have broad, thin leaves with large surface area that permits maximum light absorption</p>	<p>Deer, foxes, raccoons, squirrels, black bears, songbirds and turkeys</p>	<p>Eastern North America, much of Europe and parts of Asia and Southern Hemisphere</p>
<p><b>Tropical Rain Forest</b></p>	<p>No winter 2 seasons: rainy and dry 12 hours sunlight everyday <b>Temp:</b> 20°-34° C 68° - 93°F <b>Rainfall:</b> 400 cm or 157.5 inches</p>	<p>Ferns, mosses, trees, orchids, vines, palms, Multilayered and continuous, allowing little light penetration due to the canopy</p>	<p>leopards, jaguar, orangutan, toucans, birds, bats, small mammals, insects</p>	<p>Near the Equator in Asia, Africa, South America and Central America</p>
<p><b>Temperate Rain Forest</b></p>	<p><b>Temp:</b> 0°-20°C or 32° - 68° F <b>Rainfall:</b> 75-150cm  Well defined seasons, distinct winter Moderate climate Coastal fog lingers on trees</p>	<p>Soil is fertile Many kinds of ferns and conifers</p>	<p>Squirrels, rabbits, skunks, birds, deer, mountain lion, bobcat, timber wolf, fox and black bear</p>	<p>Eastern N. America Northern Asia Western &amp; central Europe</p>

