**Chapter Review 1.1 What are the world’s biomes?**

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1. What are the characteristics of a biome?

Temperatures, soil type and rainfall

1. Complete the following table by cutting and pasting the statements below:

|  |  |  |
| --- | --- | --- |
| Biome | Characteristics | Temperature and Climate |
| Tropical forests and grasslands | * *Abundance of life, conditions favour a huge variety of species* * *Treeless plain, short growing seasons, little plant diversity* | * *Year-round high temperatures and rainfall* |
| Tundra | * *Very cold, long winter, winter is the longest season* | * *Cold conditions* |
| Polar | * *Virtually no native land species, no native mammals, amphibians or trees* | Coldest biomes, too dry and windy for plants and animals to flourish |
| Mountain Vegetation | * *Plants low and hug ground for warmth, long winter period, animals and plants need to be able to adapt to these conditions* | * *Cold conditions* |
| Boreal forest | * *Largest biome on earth, called coniferous forest, low number of plant species, animals and plants have to be able to adapt to great variations in rainfall and temperature, permanently frozen ground and poor soil* | * *Cold conditions* |
| Temperate forest | * *Forest experiences seasonal change (leaves change colour), most of the world’s population live here* | * *Neither excessively hot nor excessively cold* |

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* *Cold conditions*
* *Neither excessively hot nor excessively cold*
* *Coldest biomes*
* *Year-round high temperatures and rainfall*
* Coldest biomes, too dry and windy for plants and animals to flourish

1. Identify the human activities which have negatively impacted each of the following biomes:

|  |  |  |
| --- | --- | --- |
| Biome | Human Activity | Purpose of activity |
| Boreal forest | *Deforestation, air pollution* | *logging* |
| Temperate forest | *Deforestation, air pollution* | *Hunting and Suburbs* |
| Grasslands | *Air pollution, agriculture* | *Hunting and farming* |
| Tropical forest | *Deforestation, air pollution* | *Farming and suburbs* |

1. Examine source 1.17 and describe the location of biomes within Australia from the greatest area to the least area.

The desert biome in Australia is almost entirely located in the center leaning to the west side. Grassland appears in the north and east coast of Australia except the few rainforest locations, there is none on the west coast. Temperate rainforest is all over the south coast of Australia and extend to southern portions of the west and east coast. There are small portions of rainforest on the northern east coast on south and north Queensland. There is a small mountainous area in south Victoria.