







# Knowledge organiser

## The six major biomes

|   |                            |   |  |
|---|----------------------------|---|--|
| 1 | Tropical rainforest        | <ul style="list-style-type: none"> <li>• Hot all year (25–30 °C)</li> <li>• Wet all year (2,000 mm of rainfall a year or more)</li> <li>• Dense forests with several layers of trees</li> </ul>   |    |
| 2 | Savanna                    | <ul style="list-style-type: none"> <li>• Hot all year (25–35 °C)</li> <li>• 500–1,000 mm of rainfall a year with a dry season (no rain)</li> <li>• Grasses, some shrubs and some trees that can cope with drought</li> </ul>                                  |    |
| 3 | Desert                     | <ul style="list-style-type: none"> <li>• Very hot during the days in summer (35–40 °C)</li> <li>• Very low rainfall (250 mm a year or less)</li> <li>• Very few plants: only those that can survive without rainfall</li> </ul>                               |   |
| 4 | Temperate deciduous forest | <ul style="list-style-type: none"> <li>• Four seasons: hot in summer (25 °C) and cool in winter (5 °C)</li> <li>• Rainfall all year (around 1,000 mm)</li> <li>• Deciduous trees (trees that lose their leaves for winter)</li> </ul>                         |  |
| 5 | Coniferous forest (taiga)  | <ul style="list-style-type: none"> <li>• Mild summers (10–20 °C) but very cold winters (below 0 °C)</li> <li>• Low rainfall (500 mm a year or less), usually in summer</li> <li>• Evergreen trees (trees that keep their leaves throughout winter)</li> </ul> |  |
| 6 | Tundra                     | <ul style="list-style-type: none"> <li>• Cold winters (below –30 °C) and cool summers (around 10 °C)</li> <li>• Low rainfall (around 200 mm a year)</li> <li>• Very few plants: only those that can survive freezing temperatures and drought</li> </ul>      |  |

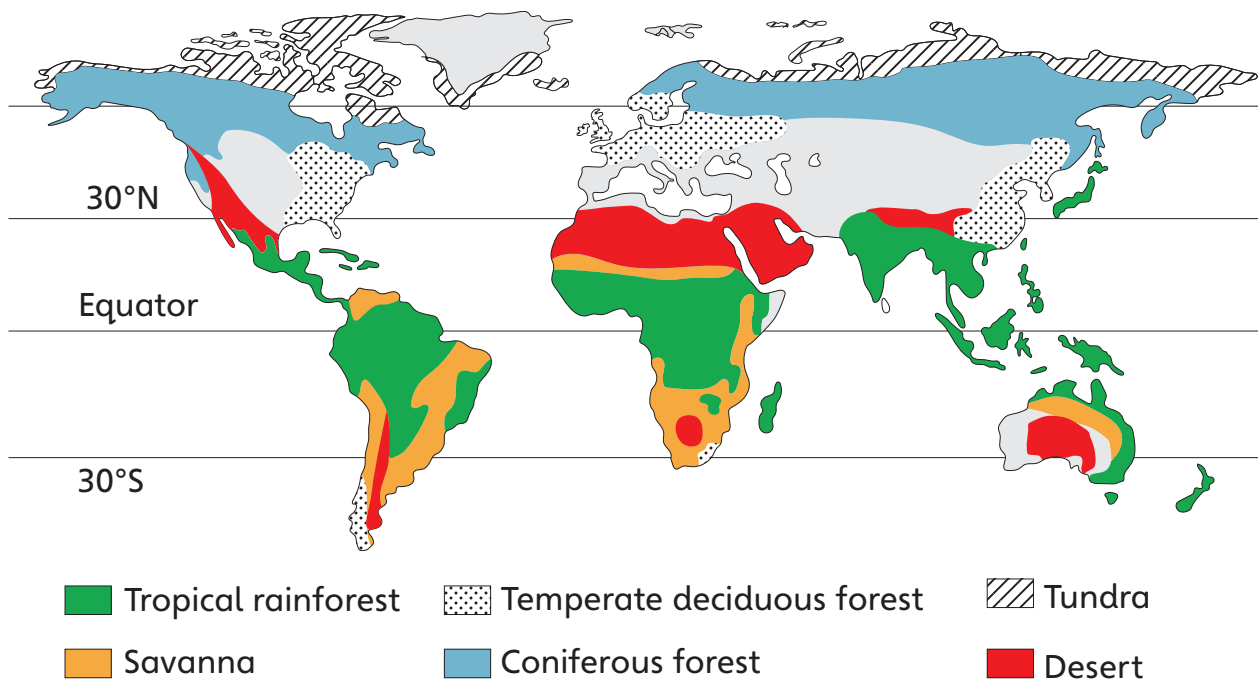
| Vocabulary       |   |
|------------------|---|
| Adapted          | Well suited to living in a particular biome   |
| Biome            | Very large region containing the same sort of climate, plants and animals                                     |
| Climate          | General or average weather conditions over a long period of time  |
| Drought          | Long period when there is much less rain than usual, leading to there not being enough water                  |
| Extinct          | No longer alive as a species  |
| Fossil fuels     | Resources, such as coal, oil and natural gas, that contain a lot of carbon and release it when they are burnt |
| Greenhouse gases | Gases like water vapour, carbon dioxide and methane that trap heat in the atmosphere, warming it up           |
| Permafrost       | Layer of the ground under the surface that is permanently frozen  |
| Wildfires        | Fires that spread very quickly through forests and grasslands   |



drought



wildfire



A map showing where the six major biomes are across the world.