



World Biomes & Climate Zones - Answers

Answer Key

Section A: Climate Patterns

1. Because sunlight is more concentrated near the equator and more spread out nearer the poles
2. Because seasonal wind and rainfall patterns can bring distinct wet and dry periods to certain regions
3. Weather is the day-to-day conditions in a place; climate is the average weather pattern over a long period of time
4. Because air gets colder the higher up you go, regardless of how close to the equator you are
5. Ocean currents can carry warm or cold water to different regions, affecting the temperature of nearby land

Section B: Biomes & Adaptation

1. Accept a reasonable explanation, e.g. thick fur and fat layers for insulation, or white fur for camouflage
2. Because the warm, wet climate provides ideal conditions for a huge variety of plants and animals to thrive
3. Accept a reasonable adaptation, e.g. thick waxy skin to reduce water loss, or deep roots to reach underground water
4. Because rainforests affect global weather patterns and absorb large amounts of carbon dioxide
5. A temperate biome has moderate temperatures and four seasons; a tropical biome is consistently hot and often wet