

4 Weather and climate – Part 2 —Answers

Answers

Work through these after you have tried the questions yourself.

2.1 uneven heating of the Earth by the Sun makes warm air rise and sink, creating winds, which the spinning Earth then bends (the Coriolis effect).

2.2 all the land that drains into a shared body of water (a river, lake, or sea).

2.3 the Earth's axis is tilted, so the hemisphere tilted toward the Sun gets more direct sunlight and longer days (summer), and the other gets less (winter).

2.4 air rises and cools on the windward side, dropping its rain there; by the time it crosses to the leeward side it is dry, creating a rain shadow.

2.5 periodic shifts in the temperature of the Pacific Ocean that change rainfall and weather around the world.