

Solutions

Each answer shows the steps, then the **result**.

2.1

- Earth's axial tilt (as it orbits the Sun)

2.2

- High-angle sunlight

2.3

- It receives near-vertical (high-angle) sunlight all year

3.1 B

- axial tilt

3.2

(a)

- In June the Northern Hemisphere tilts toward the Sun, so it receives more direct sunlight and longer days, making it warmer

(b)

- Sunlight strikes at a higher angle than in winter

3.3

- At high latitudes sunlight strikes at a low angle, spreading the energy over a larger area, so it is less intense and colder than the near-vertical sunlight at the equator