



ANSWER KEY

Which is an accurate comparison of **climate** and **weather**?



- A** Weather is the average climate of a region over an extended period of time.
- B** Climate is the average weather of a region over an extended period of time.
- C** Weather and climate are synonymous.
- D** Weather can be predicted, but climate cannot.

(b)

Which are two important **factors** that determine the characteristics of **climate**?



- A** prevailing wind direction and precipitation
- B** atmospheric pressure and prevailing wind direction
- C** temperature and precipitation
- D** atmospheric pressure and temperature

(c)

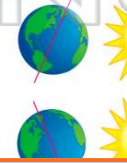
One factor that affects climate is **latitude**. Why is it **hotter at the equator** than at northern or southern latitudes?



- A** The earth is wider at the equator, so equatorial regions are closer to the sun.
- B** The sun's rays hit the equator more directly.
- C** The North Pole always points away from the sun.

(b)

The earth is **tilted** at 23.5° . As it rotates around the sun, the Northern and Southern Hemispheres are either pointing **toward** or **away** from the sun's rays. **Lands near the equator**



- A** have dramatic seasonal changes
- B** are cool in the winter and very hot in the summer
- C** are so hot they are essentially uninhabitable

(d)

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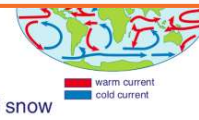
PREVIEW

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- C** and eastern side have relatively equal rainfall
- D** and eastern side are both very dry



- B** higher than expected temperatures
- C** more temperate climate
- D** unusually high amounts of snow



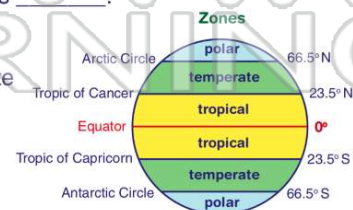
The term _____ refers to a large geographical **region**, the **climate** found there, and the **plants and animals** that live in that region.

- A** atmosphere
- B** population
- C** biome
- D** zone

(c)

The climate zones between 23.5° and 66.5° North and South of the equator are described as _____.

- A** tropical
- B** temperate
- C** polar
- D** tundra



(b)