

**Ch 8 Lesson 4 Review**

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1) Which is NOT a factor that affects climate?

- A) lakes and oceans
- B) animal migration
- C) altitude
- D) latitude

2) Köppen's climate classification system is based mainly on which two factors?

- A) mountains and valleys
- B) wind speed and wind direction
- C) temperature and precipitation
- D) oceans and lakes

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3) Which image shows a microclimate?

A)



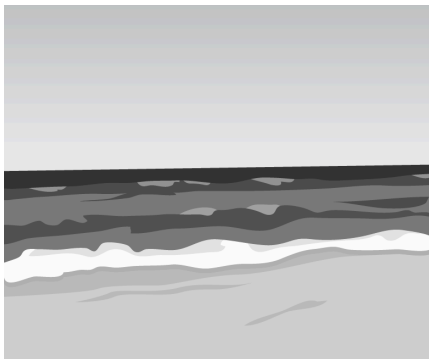
B)



C)

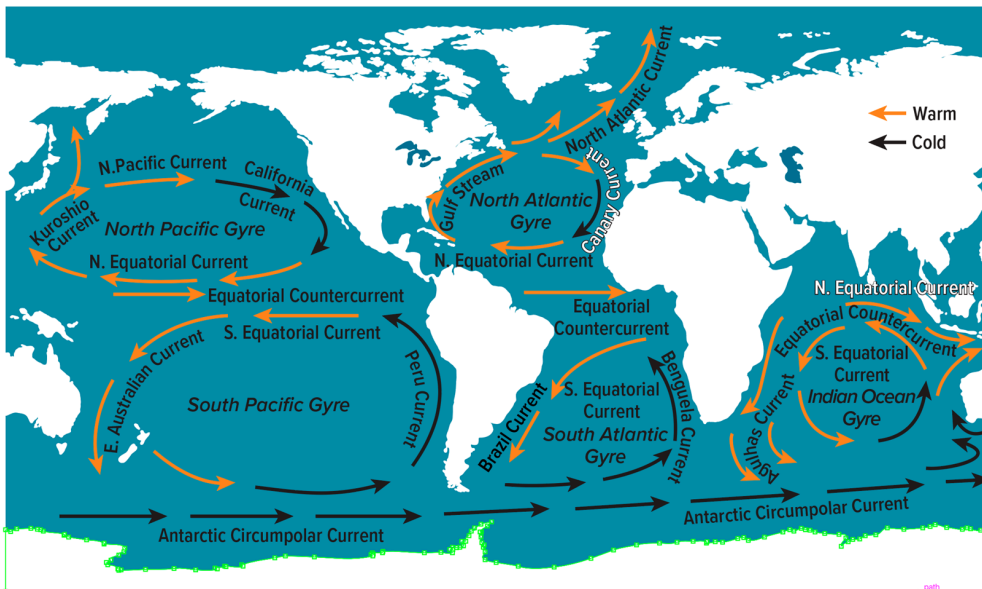


D)



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- 4) Earth's climate is influenced by several factors. Which factor is related to the angle at which the Sun's rays hit Earth's surface?
- A) latitude
- B) altitude
- C) cloud cover
- D) land and water
- 5) Water exchanges its thermal energy with the air around it. This affects the type of climate that will develop in a region. Reference the map of Earth's ocean currents. Consider the northern hemisphere and the ocean currents that flow along the coasts. Ocean currents that flow south from high latitudes have cold water temperatures. Ocean currents that flow north from lower latitudes have warmer temperatures.



Locate the Gulf Stream current that flows along the east coast of North America. How would you describe this current?

- A) Cold because it is flowing south.
- B) Cold because it is flowing north.
- C) Warm because it is flowing south.
- D) Warm because it is flowing north.