Quiz 3

Register your clickers again via in class roll call
Question 1

Trees that routinely drop their leaves during cold or dry periods are referred to as

a. succulent.

b. deciduous.

c. sclerophyllous.

d. ruderal.

e. savannic.
Which of the following statements about terrestrial biomes is true?

a. The same biome can be found on different continents.
b. Biomes are characterized more by the animals that are found there than by the plants.
c. Biomes are determined according to the taxonomic similarities among organisms found there.
d. Both a and b

e. Both b and c
Question 3

If climate change causes a tropical rain forest to receive somewhat less rainfall, it will most likely become

a. temperate evergreen forest.

b. boreal forest.

c. savanna.

d. temperate deciduous forest.

e. None of the above
Question 4

Based on the climate data shown in the graph, this location is likely in the ______ biome.

a. tropical seasonal forest
b. tropical rainforest
c. temperate grassland
d. temperate deciduous forest
e. temperate evergreen forest
Question 5

Which of the following statements about stem succulence is false?

a. It is an adaptation for living in areas with low water availability.
b. It is found in plants in the deserts of the Eastern Hemisphere.
c. It is found in plants in the deserts of the Western Hemisphere.
d. It enables plants to store water.
e. All of the above are true; none is false.
Question 6

Suppose that the lapse rate is approximately 6°C per 1,000 meters. The city of Denver, Colorado, is at an elevation of 1,600 meters, and a nearby foothill is at 2,100 meters. If the temperature in Denver is 12°C, the temperature at the foothill, based on the lapse rate, should be

a. –0.4°C.
b. 6°C.
c. 9°C.
d. 15°C.
e. 21°C.
Question 7

The coldest part of a large lake is usually in the ________ zone.

a. photic
b. littoral
c. pelagic
d. luminal
e. benthic
Question 8

Which of the following statements about corals and coral reefs is false?

a. Corals are closely related to jellyfish.
b. A large number of economically important fish species rely on coral reefs for habitat.
c. Coral reefs can grow fairly rapidly, up to a meter per day.
d. For many corals, calcium carbonate is an important component of the skeleton-like structure.
e. All of the above are true; none is false.
Question 9

High ocean temperatures can result in the loss of the coral’s _______ partner, a condition that is called _______.

a. algal; bleaching
b. algal; variegation
c. bacterial; variegation
d. fungal; bleaching
e. fungal; variegation
Question 10

Which of the following best describes vivipary?

a. Organisms that are not extinct
b. Relationship where two organisms live in close physiological contact
c. Delay of developmental event
d. A life-cycle stage
e. Seedling growing on a mature plant