Ecology Quiz

Directions: Write your answers in capitalized letters on the line provided. Narrow down your choices, mark up your questions and look for the choice that is completely false. You got this!

\_\_\_\_\_1. Defining characteristics of a wetland involve which of the following?

I. Hydrology

II. Soil Type

III. Species composition

A) I only

B) II only

C) I and II only

D) II and III only

E) I, II and III

\_\_\_\_\_2. If mean global temperature keeps on increasing as predicted by contemporary scientists, which of the following is most likely?

A) There will be fewer insect pests and

disease-carrying organisms

B) Specialist species living in fragile ecosystems

will risk extinction

C) There will be an increase in sulfate

concentrations in wetlands

D) There will be an increase in the reproductive

rate of mammals

E) The geographical range of many plants will

move toward the equator

\_\_\_\_\_3. Traveling southward from the Arctic regions of Canada to the tropics of Panama, one passes through several biomes-tundra, coniferous forest, temperate deciduous forest, and tropical rain forest. This pattern of change in vegetation is primarily the result of

A) Primary and secondary succession

B) The invasion of exotic species

C) An increase in both mean annual temperature

and mean annual precipitation

D) An increase in both mean annual temperature

and mean annual precipitation

E) An increase in the total annual hours of

sunlight

**Questions 4-7** refer to the following ecological relationships.

A) Commensalism

B) Parasitism

C) Mutualism

D) Predation

E) Competition

\_\_\_\_\_4. Exemplified by starlings displacing bluebirds from nesting sites.

\_\_\_\_\_5. Exemplified by bees consuming nectar and carrying pollen from one flower to another.

\_\_\_\_\_6. Exemplified by moss growing on a tree trunk in a forest.

\_\_\_\_\_7. Exemplified by ticks on a deer.

**Questions 8-10** refer to the following countries.

A) Australia

B) Brazil

C) Chile

D) Russia

E) United States of America

\_\_\_\_\_8. Country with the largest boreal forests

\_\_\_\_\_9. Country with the greatest percentage of land area affected by desertification.

\_\_\_\_\_10. Country with the largest deciduous forest.

\_\_\_\_\_11. The factor that likely poses the greatest threat of extinction of species worldwide is

A) weakening of environmental legislation

B) increase in hunting and fishing

C) aggressive collecting of specimens by museums and zoos

D) black market trade in endangered species

E) increasing loss of habitat



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