Biodiversity and Evolution

Choose and click the correct answer

1.The evolutionary process by which a new species arises is called:

_____

2.The evolutionary process of the Galapagos finches in which a single lineage gave rise to species occupying diverse environmental riches is an example of:

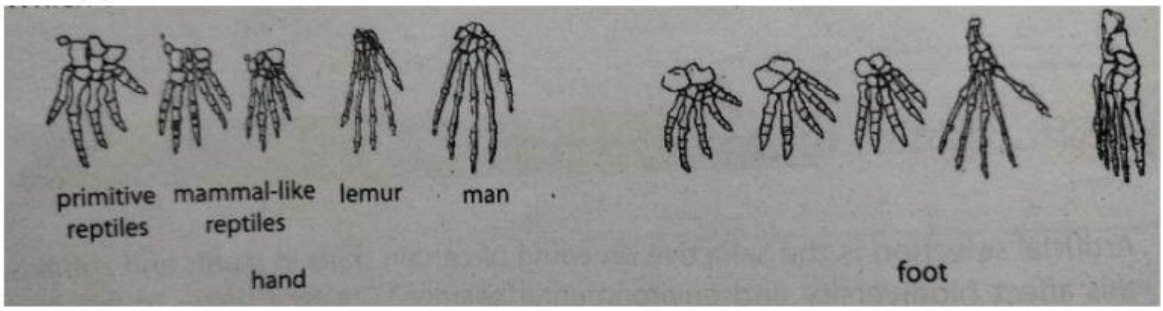
_____

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3. A species of sea animals lived and bred for a Thousand of years. Suddenly the sea level changed and the bodies of the species developed in order to accommodate the change in their environment. From then on, this species is evolutionarily different from its ancestors. This is an example of:

_____

4.Which evidence of evolution is portrayed in the image?



_____

5. A new plant species X developed and formed from the hybridization of species Y (2n=12) and Z (2n=16). Species X would probably produce gametes with a chromosome number of:

_____

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6. Compared to a small and isolated population, a large population is less likely to undergo speciation because a small population:

_____

7.Which example shows genetic variation in a species?

_____

8. Which of the following is not true about speciation:

_____

9. Which of the following situation is an example of natural selection?

_____

10. Which of the following is an example of a phenotype?

_____

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11. How is mutation passed on to future generations?

_____

12. Evolution is a process that takes _____ to accomplish:

_____

13. In relation to natural selection, evolution is the:

_____

14. Speciation _____ an ecosystem's biodiversity

_____

15. Which of the following correctly defines ALLOPATRIC SPECIATION?

_____

SCIENCE 10
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