

Science Toolkit: Grade 6 Objective 3.D.1.a

Student Handout: Science: Grade 6 Objective 3.D.1.a

Standard 3.0 Life Science

Topic D. Evolution

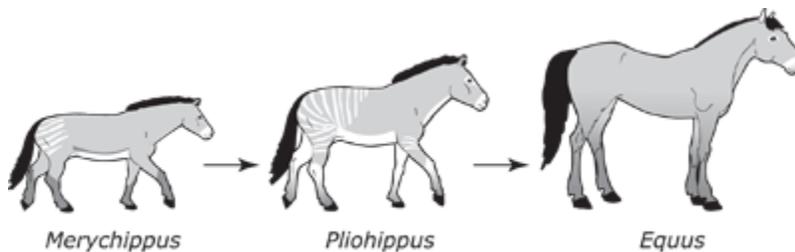
Indicator 1. Explain that in any particular environment, the growth and survival of organisms and species depend on the physical conditions.

Objective a. Cite examples and describe that small differences between parents and offspring can accumulate (through selective breeding) in successive generations so that descendants are very different from their ancestors.

Selected Response (SR) Item

Question

The modern horse (*Equus*) and two of its direct ancestors are shown in the diagram below.



Which statement best explains how changes occurred leading from one species to the next?

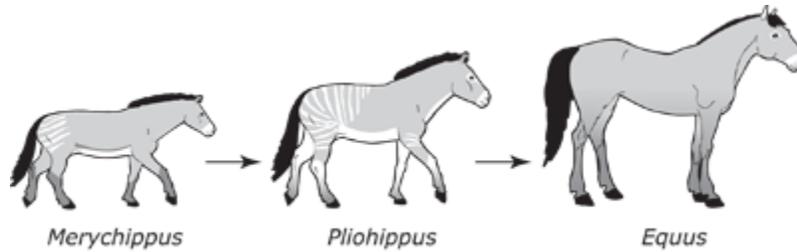
- A. Individuals of each species adapted to differences in environmental conditions.
- B. Individuals of each species learned traits and passed them on to the offspring.
- C. Sudden environmental changes caused each species to develop in one generation.
- D. Small structural changes in each species were passed on to offspring over many generations.

Correct Answer

D. Small structural changes in each species were passed on to offspring over many generations.

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