



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 10th - 12 Grade COURSE NAME: AP Biology
MEASUREMENT TOPIC: Apply Concepts in Natural Selection

4

In addition to Score 3, the student makes in-depth inferences and applications.

- Connect biological concepts, processes, and observational data to broader theories or biological themes.

3

- **Predict the causes or effects of a change in, or disruption to a biological system, related to Natural Selection, based on biological concepts or processes, models of biological concepts or processes, or data.**
- **Apply biological concepts and processes in Natural Selection to illustrative examples and novel scenarios.**

2

- **Explain biological processes related to Natural Selection.**
- **Describe biological concepts related to Natural Selection.**

1

With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.

Key Vocabulary: biological fitness, differential reproduction, natural selection, artificial selection, genetic drift, gene flow, mutations, non-random mating (sexual selection), hardy weinberg equilibrium, cladogram, nodes, clades