Trace Natural Selection

Grades 8-9 | Life science | On grade level

Learner: _____ Date: _____

For each scenario, identify variation, selection pressure, differential survival or reproduction, and the likely population change.

Some insects resist a pesticide; repeated spraying kills more nonresistant insects.

Answer: _____

Finches vary in beak depth; a drought leaves mostly hard seeds.

Answer: _____

Bacteria vary in antibiotic resistance; treatment removes susceptible bacteria.

Answer: _____

Plants vary in salt tolerance near a salty marsh.

Answer: _____

Grown-up check: Explanations must involve heritable variation and unequal reproductive success, not individuals choosing to adapt.

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