

Evidence Card A: Average Life Span of Sticklebacks in Current Environment

Armor level	Speed	Average life span
low armor	fast	4 years
medium armor	medium	2 years
high armor	slow	1 year

Reproduction: Most sticklebacks reproduce about once a year.

Evidence Card B: Stickleback Predators

Previous Environment

Stickleback predator: salmon



The sticklebacks' main predators used to be salmon. Salmon catch their prey by trapping them in their large, strong jaws. They do not need to be as fast as dragonfly nymphs to catch sticklebacks.

Current Environment

Stickleback predator: dragonfly nymph



The sticklebacks' main predator is now the dragonfly nymph. Dragonfly nymphs use a burst of speed to attack their food.

Evidence Card C: Prey Speed

Previous Environment

Stickleback prey:

In their previous environment, sticklebacks used to eat fish eggs, seed shrimp, and copepods (a type of very small crustacean).

fish eggs seed shrimp copepods



Speed:

very slow	fast	very fast
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Current Environment

Stickleback prey:

In their current environment, sticklebacks eat fish eggs, snails, and water fleas.

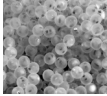


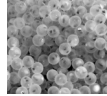


fish eggs snails water fleas



Speed:

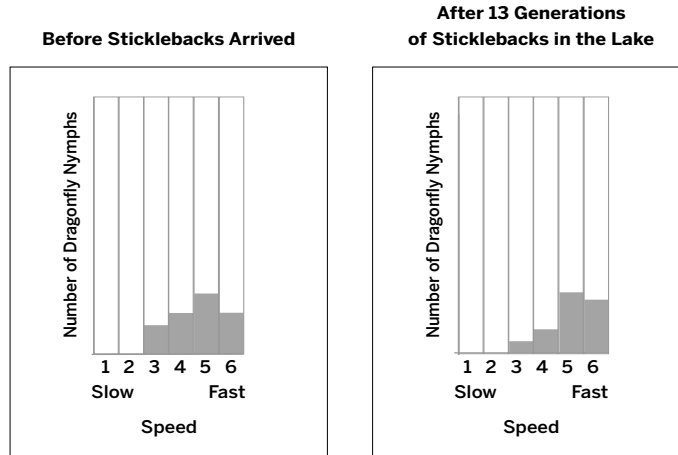
very slow	slow	medium
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Evidence Card D: Prey Population Size

Previous Environment			Current Environment		
Stickleback prey: In their previous environment, sticklebacks used to eat fish eggs, seed shrimp, and copepods (a type of very small crustacean).			Stickleback prey: In their current environment, sticklebacks eat fish eggs, snails, and water fleas.		
fish eggs	seed shrimp	copepods	fish eggs	snails	water fleas
					
Population Size:			Population Size:		
very large	small	very small	very small	small	very large

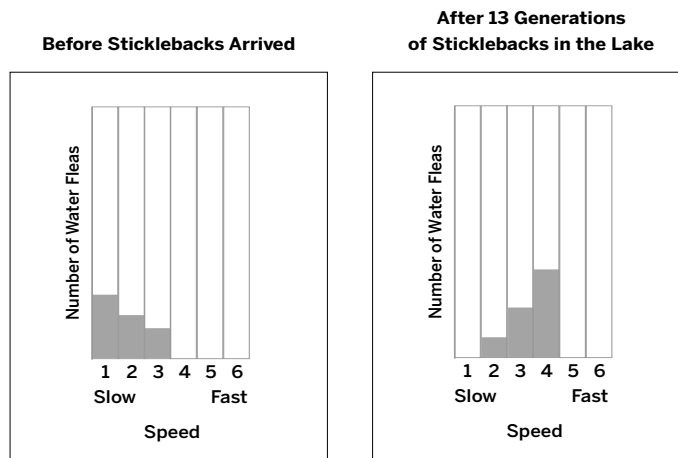
Natural Selection—Stickleback Evidence Cards copymaster—Lesson 4.1
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Evidence Card E: Speed of Dragonfly Nymphs



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Evidence Card F: Speed of Water Fleas



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