

Answer Key

Beaks and Finches practice

1. 2
2. 1
3. 3
4. 1
5. 2
6. 3
7. 2
8. 1
9. 2
10. 1
11. 1

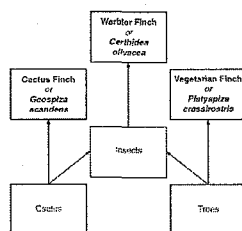
12. *Examples:* — The large tree finch eats mainly animal food, while the large ground finch eats mainly plant food. — They occupy different environmental niches.

13. 2
14. 4

15. — Both species *A* and species *B* will decrease in number, since species *C* competes with each of them. — Species *A* will compete with species *C* for nesting sites and species *B* will compete for food. Therefore, the populations of both *A* and *B* will decrease. — Both will survive if they are adequate resources.

16. — better eyesight to locate food — ability to produce more offspring — ability to fly faster — resistance to diseases in the area — ability to tolerate hot/cold temperatures

17.



18. (essay)
19. — The two finches eat different kinds of food. — The woodpecker finch eats insects and the large ground finch eats seeds. — They do not compete for the same resources.
20. — shredder — sharp, curved beak
21. — More seeds were collected with/without competition. — It was easier to get food without competition. — The greater the competition, the fewer the survivors.

22. *Examples:* — The tools represent types of beaks, some of which are more successful for gathering and so are more favorable for survival. — Students with favorable “beaks” survived.

23. — Each island has its own set of environmental conditions which might not provide food or shelter for some of these species. — Different islands might have different kinds of food available. — too much competition

24. — The cactus finch has a probing bill that can reach the nectar in the flowers. — The cactus finch is a plant eater with a long, narrow beak.

25. — They aren't competing for the same food. — Ground finches are mostly plant eaters while tree finches are mostly animal eaters. — They occupy a different niche. — They live in different areas.

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18. Tool: Forceps
Advantage or disadvantage: Advantage
Explanation: picked up enough small seeds so a finch on an island with lots of small seeds could survive
Tool: Forceps/Tweezers
Advantage or disadvantage: Disadvantage
Explanation: didn't pick up enough seeds to survive
Tool: Large hair clip
Advantage or disadvantage: Disadvantage
Explanation: didn't pick up any seeds
Tool: Tool for holding test tubes
Advantage or disadvantage: Advantage
Explanation: picked up really big seeds so it got enough food to survive
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