

ACT Preparation- Finch Beaks



Read the introductory paragraph. Then answer the questions according to the introductory paragraph:

1. Island A contains which bird(s)?
2. Island B contains which bird(s)?
3. Island C contains which bird(s)?
4. What do birds with shallow beaks eat?
5. What do birds with deeper beaks eat?

Study 1. Read the paragraph for Study 1 and observe the graph for Study 1.

6. How many graphs correspond to Study 1?
7. What is measured on the horizontal axis of each graph?
8. What is measured on the vertical axis of each graph?
9. The first graph has a column for *G. fuliginosa* that reaches almost 50%. This column represent a range of beak depths from _____ to _____ mm.
10. On Island A, what is the smallest beak size for *G. fuliginosa*?
11. Why would the researchers tag the birds they captured in study 1?
12. In a situation in which the 2 species of bird are in competition for food, which bird is likely to have a larger beak size? _____. Which graph supplied the answer? _____

Study 2. Read the paragraph and observe the graph for Study 2.

13. From the introduction paragraph and Study 2 the following things are related: deeper beaks, _____ seeds, dry years. What year shows the connection between these 3 things? _____
14. From the introduction paragraph and Study 2, the following things are related: shallow beaks, _____ seeds, wet years. What year shows the connection between these 3 things? _____
15. In 1984, would a bird with a beak depth of 9.2mm or 9.5 mm be more likely to survive? _____ Explain you answer.