Natural Selection Webquest

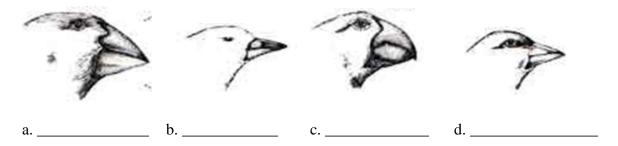
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Go to each of these websites. Once there, read the material to discover information about Natural Selection. **Site 1**: <u>http://www.biology-online.org/2/10_natural_selection.htm</u>

- 1. Who was Charles Darwin? What is he known for?
- 2. What does the phrase "survival of the fittest" mean?

Site 2: <u>http://www.biology-online.org/2/11_natural_selection.htm</u>

- 3. Which part of the finch has changed over time?
- 4. For each of these diagrams, write what type of food the beak shape is best suited for.



5. Explain how industrial melanism has affected moths.

Site 3: <u>http://www.experiment-resources.com/darwins-finches.html</u> *Read the first two sections "Darwin's Finches" and "The Galapagos Islands"*6. Did Darwin first believe that each finch he found was a different species? Was he right or wrong?

7. How did organisms arrive at the Galapagos Islands?

Site 4: <u>http://www.biology-online.org/2/12_selective_breeding.htm</u> 8. Why is selective breeding useful to farmers?

9. What does it mean to selectively breed an organism?

11. All dogs are of a single species, regardless of what they look like. They are all descended from what animal? Give the scientific and common names.

Site 6: "Survival of the Sneakiest" http://evolution.berkeley.edu/evolibrary/article/0_0_0/sneakermales_01

Read the comic and answer the four questions below.

- 1. When it comes to crickets, what does fitness mean?
- 2. Is calling good or bad for a cricket's fitness?
- 3. Give some examples of selection at work in this cricket story.
- 4. How does selection favor calling? How does selection favor not calling?