

## Natural Selection Webquest

Name \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_

Go to each of these websites. Once there, read the material to discover information about Natural Selection.

**Site 1:** [http://www.biology-online.org/2/10\\_natural\\_selection.htm](http://www.biology-online.org/2/10_natural_selection.htm)

1. Who was Charles Darwin? What is he known for?

2. What does the phrase "survival of the fittest" mean?

**Site 2:** [http://www.biology-online.org/2/11\\_natural\\_selection.htm](http://www.biology-online.org/2/11_natural_selection.htm)

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.



a. \_\_\_\_\_ b. \_\_\_\_\_ c. \_\_\_\_\_ d. \_\_\_\_\_

5. Explain how industrial melanism has affected moths.

**Site 3:** <http://www.experiment-resources.com/darwins-finches.html>

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:** [http://www.biology-online.org/2/12\\_selective\\_breeding.htm](http://www.biology-online.org/2/12_selective_breeding.htm)

8. Why is selective breeding useful to farmers?

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

**Site 5:** [http://www.pbs.org/wgbh/evolution/library/01/5/1\\_015\\_02.html](http://www.pbs.org/wgbh/evolution/library/01/5/1_015_02.html)

10. Why are there so many breeds of dogs?

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.

Scientific \_\_\_\_\_ Common \_\_\_\_\_

**Site 6: “Survival of the Sneakiest”** [http://evolution.berkeley.edu/evolibrary/article/0\\_0\\_0/sneakermale\\_01](http://evolution.berkeley.edu/evolibrary/article/0_0_0/sneakermale_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?