

Charles Darwin Natural Selection Simulation

<http://www.sciencechannel.com/games-and-interactives/charles-darwin-game.htm>

Name: _____ Date: _____ Period: _____

Directions: Please read all directions and information on the website and below.
*For each section **read** and **summarize** the key information, if there are activities, do the activities and explain them.*

Main Page:

1. Darwin's observations led him to formulate the theory of _____
_____ which he believes drives _____.

Go to **More About Darwin**

2. Charles Darwin:

3. Origin of Species:

Go to **Natural Selection**

4. **Part 1:** Every species exhibits...

5. **Part 2:** Many traits are ...

6. **Part 3:** Life in the wild is competitive...

Survival Game: Who Wants to Live A Million Years?

7. This game is based on the Darwin's rules of ...
8. What is the goal of this game ...

Look in the "**Hints**" book. What are the **pros** and **cons** of the following traits?

9. Thin or Bulky:
10. Furry or Hairless:
11. Long neck:
12. Short or Long legs:
13. Stripes:

Starter Population: Select three variations to begin the game. *Note: you can press "More Mutations" for different trait variations.*

Game 1: For each game answer the questions. What is the Year? How does the environment change? What mutations, if any would you like to use? Record your mutations below. How long did your species survive?

14. What are the 3 variations that you chose? Record and then press proceed.

1. _____ 2. _____ 3. _____

Read the screen to learn about your genetic mutation life preservers.

Start the Game

How is the environment changing? What mutations, did you like to use? Record all below for the whole game.

Environmental Changes

Mutations

Years Survived

15. **Game 2:** For each game answer the questions. What is the Year? How does the environment change? What mutations, if any would you like to use? Record your mutations below. How long did your species survive?

16. What are the 3 variations that you chose? Record and then press proceed.

1. _____ 2. _____ 3. _____

How is the environment changing? What mutations, did you like to use? Record all below for the whole game.

Environmental Changes

Mutations

Years Survived

17. *Go to Quiz*, read the directions and take the quiz. Record your responses below:

1. __, 2. __, 3. __, 4. __, 5. __, 6. __, 7. __, 8. __, 9. __, 10. __. How did you score? _____

18. If you didn't get 100%, explore the website for information not yet in your brain, and retake the test. Record your responses below:

1. __, 2. __, 3. __, 4. __, 5. __, 6. __, 7. __, 8. __, 9. __, 10. __. How did you score? _____