

Natural Selection Simulation at PHET

This simulation is located on the school's server. See instructions on board to access the simulation.



1. When you first open the simulation, one bunny will be shown on your screen. If you don't do anything with the simulation, what happens to the bunny?
If you don't do anything with the simulation the bunny does not change and nothing else happens other than it hopping around the land.
2. The simulation allows you to control types of mutations that occur in the bunnies. Look for the area that says "add mutation." What kind of changes can you make to your bunny?
In the area that says "add mutation" you can add fur, ears, and teeth.
3. There are two selection factors listed that can also be changed. What are they?
The selection factors in the simulation that can be changed include wolves, tough food, and limited food.
4. What are the two environments you can choose?
You can choose a summer or winter environment.
5. Click on the RESET ALL button and you will get another bunny. This time, click the button that says "add a friend." What happens to the bunnies this time?
When you click "add a friend" the bunnies reproduce and eventually overpopulate as time goes on.
6. In nature, populations don't get out of control because there are limiting factors in the environment. Start your simulation over and click to add food as a selection factor. **Describe** what happens to the bunnies when food is added as a selection factor.
When food is selected as a limiting factor the bunnies are still able to reproduce just at a much slower rate and at times the population drops and increases.
7. Animals have adaptations that can help them survive in their environment. Reset the simulation and add the "long teeth" mutation to your bunnies and use "food" as your selection factor. **Describe** what happens to the bunnies this time.



Natural Selection In The Real World Worksheet Answers

Ian Pickup



Natural Selection In The Real World Worksheet Answers:

Advanced Pre-Med Studies Parent Lesson Plan, 2013-08-01 Advanced Pre Med Studies Course Description Semester 1

From surgery to vaccines man has made great strides in the field of medicine Quality of life has improved dramatically in the last few decades alone and the future is bright But students must not forget that God provided humans with minds and resources to bring about these advances A biblical perspective of healing and the use of medicine provides the best foundation for treating diseases and injury In *Exploring the History of Medicine* author John Hudson Tiner reveals the spectacular discoveries that started with men and women who used their abilities to better mankind and give glory to God The fascinating history of medicine comes alive in this book providing students with a healthy dose of facts mini biographies and vintage illustrations It seems that a new and more terrible disease is touted on the news almost daily The spread of these scary diseases from bird flu to SARS to AIDS is a cause for concern and leads to questions such as Where did all these germs come from and how do they fit into a biblical world view What kind of function did these microbes have before the Fall Does antibiotic resistance in bacteria prove evolution How can something so small have such a huge deadly impact on the world around us Professor Alan Gillen sheds light on these and many other questions in *The Genesis of Germs* He shows how these constantly mutating diseases are proof for devolution rather than evolution and how all of these germs fit into a biblical world view Dr Gillen shows how germs are symptomatic of the literal Fall and Curse of creation as a result of man's sin and the hope we have in the coming of Jesus Christ

Semester 2 *Body by Design* defines the basic anatomy and physiology in each of 11 body systems from a creationist viewpoint Every chapter explores the wonder beauty and creation of the human body giving evidence for creation while exposing faulty evolutionist reasoning Special explorations into each body system look closely at disease aspects current events and discoveries while profiling the classic and contemporary scientists and physicians who have made remarkable breakthroughs in studies of the different areas of the human body Within *Building Blocks in Life Science* you will discover exceptional insights and clarity to patterns of order in living things including the promise of healing and new birth in Christ Study numerous ways to refute the evolutionary worldview that life simply evolved by chance over millions of years The evolutionary worldview can be found filtered through every topic at every age level in our society It has become the overwhelmingly accepted paradigm for the origins of life as taught in all secular institutions This dynamic education resource helps young people not only learn science from a biblical perspective but also helps them know how to defend their faith in the process

[Chapter Resource 13 Theory/Evolution Biology](#) Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2004

Educart ICSE Class 10 One-shot Question Bank 2026 Commercial Studies (strictly for 2025-26 boards) Sir Tarun Rupani, 2025-07-12 Simplified revision and smart practice for ICSE Commercial Studies This One shot Question Bank by Sir Tarun Rupani is built for ICSE Class 10 students looking to revise the entire Commercial Studies syllabus quickly and thoroughly It includes everything needed for exam oriented preparation

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Cook and Hussey's Assistive Technologies- E-Book Albert M. Cook,Janice Miller Polgar,2007-10-01 Master the assistive strategies you need to make confident clinical decisions and help improve the quality of life for people with disabilities with the latest edition of this comprehensive text Based on the Human Activity Assistive Technology HAAT model developed by the authors the book provides detailed coverage of the broad range of devices services and practices that comprise assistive technology and focuses on the relationship between the human user and the assisted activity within specific contexts This title includes additional digital media when purchased in print format For this digital book edition media content may not be included Focus on clinical application guides you in applying concepts to real world situations Human Activity Assistive Technology HAAT framework demonstrates assistive technology within common everyday contexts for more relevant application Review questions and chapter summaries in each chapter help you assess your understanding and identify areas where more study is needed Assistive Technology for Cognitive Augmentation chapter gives you a foundation in the growing use of assistive technology to enhance human cognitive processes Technologies that Aid

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Challenging Ourselves Metropolitan Toronto School Board,1996 The reproducible worksheets and activities in this timely book will help students learn to identify sexist behaviour and find positive ways of relating to each other Novel approaches to conflict resolution will help students make constructive changes in their attitudes and behaviour Useful background information and three complete units of study are included that progress naturally from issues of the self and gender images through interpersonal relationships and sexism to more specific issues of family and dating violence and conflict resolution

A Selection of ... Internal Revenue Service Tax Information Publications United States. Internal Revenue Service,1994

Resources in Education ,2000-04

Backpacker ,2001-03 Backpacker brings the outdoors straight to the reader s doorstep inspiring and enabling them to go more places and enjoy nature more often The authority on active adventure Backpacker is the world s first GPS enabled magazine and the only magazine whose editors personally test the hiking trails camping gear and survival tips they publish Backpacker s Editors Choice Awards an industry honor recognizing design feature and product innovation has become the gold standard against which all other outdoor industry awards are measured

Te HS&T a Holt Rinehart & Winston,Holt, Rinehart and Winston Staff,2004-02

Popular Mechanics ,2000-01 Popular Mechanics inspires instructs and influences readers to help them master the modern world Whether it s practical DIY home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science PM is the ultimate guide to our high tech lifestyle

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InfoWorld ,1987-12-07 InfoWorld is targeted to Senior IT professionals Content is segmented into Channels and Topic Centers InfoWorld also celebrates people companies and projects

Popular Science ,1945-08 Popular Science gives our readers the information and tools to improve their technology and their world The core belief that Popular Science and our readers share The future is going to be better and science and technology are the driving forces that will help make it better

InfoWorld ,1989-03-06 InfoWorld is targeted to Senior IT professionals Content is segmented into Channels and Topic Centers InfoWorld also celebrates people companies and projects

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Macworld ,1988

InfoWorld ,1989

Forest Industries ,1983

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Natural Selection In The Real World Worksheet Answers Introduction

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