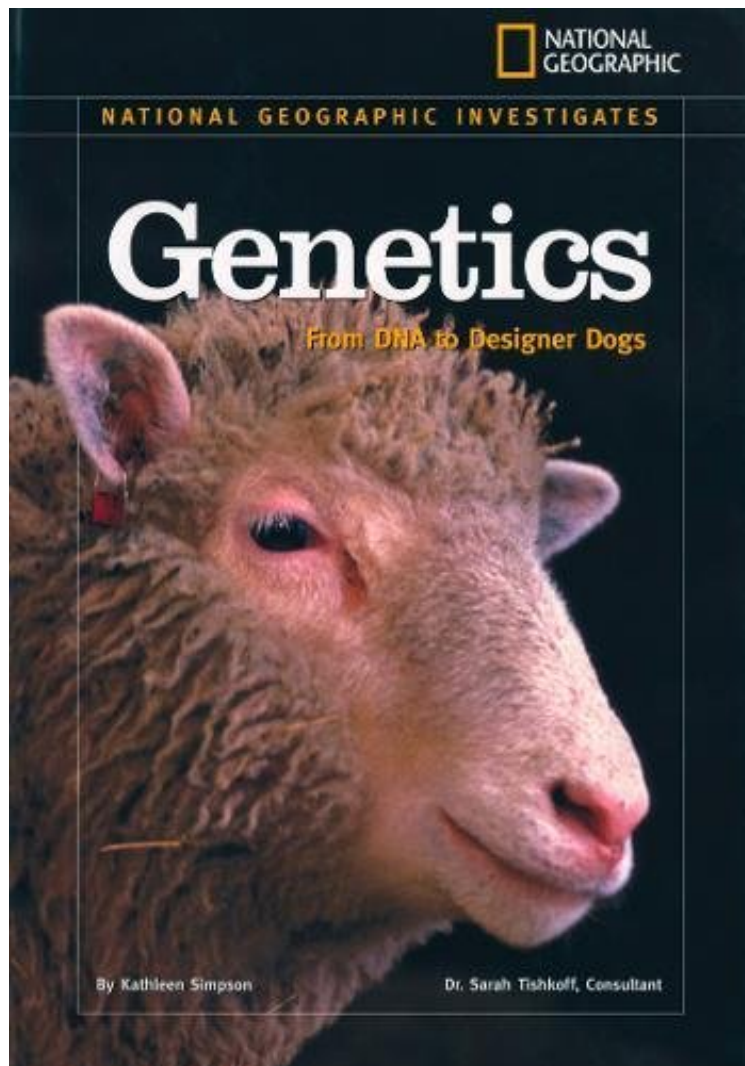


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## National Geographic Investigates: Genetics: From DNA to Designer Dogs (National Geographic Investigates Science)

*Kathleen Simpson*

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#338173 in Books National Geographic Children's Books 2008-10-14 2008-10-14 Original language: English PDF # 1 10.06 x .41 x 7.001, .80 #File Name: 142630361064 pages | File size: 19.Mb

**Kathleen Simpson : National Geographic Investigates: Genetics: From DNA to Designer Dogs (National Geographic Investigates Science)** before purchasing it in order to gage whether or not it would be worth my time, and all praised National Geographic Investigates: Genetics: From DNA to Designer Dogs (National Geographic Investigates Science):

3 of 3 people found the following review helpful. Too short on contentBy Internet\_shopperThough presented in an

interesting manner, this book falls short in content and depth. I would recommend it for the 8-9 year age group. Beyond that age group, it is a skim-the-surface kind of book, and doesn't go any deep. This book could be used as an introduction for the 10-plus age group, especially to kids who have not heard about genetics. 7 of 7 people found the following review helpful. This is a fascinating book that will keep the reader mesmerized at many of the stories and mysteries inside!

By D. Fowler Hatshepsut was a no nonsense queen in ancient Egypt who ruled for 22 years. She was an unusual woman in that day and age who looked and even dressed like a man. When she died, she simply seemed to disappear from the face of the Earth as all trace of her was erased by her successor. The discovery of a large mummy was discovered in 1903, but it wasn't until 2007 that scientists took a much closer look at it. Perhaps Hatshepsut had been found, but the only way to find out was through the use of DNA. There was a lone tooth in "a special box holding the organs" that was "placed in the tomb with the mummy." Was this the key to finding the lost Hatshepsut? In this book you will learn about chromosomes and DNA, how DNA can tell us about the past, how "genetics will bring new, better ways to clean up pollution," how plants can be used to "clean up polluted environments" like Chernobyl, how scientists are inserting animal genes into plants, genetically modified (GM) crops, how scientists have "found the key to long life in roundworms," how genes determine our inherited traits, how "wildlife crime investigators can link DNA evidence" to animals (endangered species), animal DNA databases, how Dyan Straughan figured out what kind of mysterious animal was killing off sheep, how DNA links the crime to the criminal and much more!

This is a fascinating book that will keep the reader mesmerized at many of the stories and mysteries inside. The book grips the reader from the very first two pages with a photograph of Queen Hatshepsut's mummy filling the background. There are numerous sidebars, amazing photographs and illustrations. In the back of the book is an index, a glossary, and additional recommended book, article and web site resources. Do you think that kittens born to African wildcat clones are weird looking? You can judge for yourself because there is a picture of some in this book!

10 of 1 people found the following review helpful. Not exactly what I expected, but not bad.

By customer The book wasn't what I expected it to be. The title itself was misleading. For that reason I do not blame the seller. But I do think that it was a little over priced.

Ever since scientists first cloned Dolly, genetics has been a hot-button topic in the media and the political world. Genetics brings readers the inside story, and looks objectively at this fascinating modern science. From the Human Genome Project to stem cell research to the National Geographic's own Genographic Project, scientists are exploring and rapidly advancing our knowledge of the human condition. National Geographic supports K-12 educators with ELA Common Core Resources. Visit [www.natgeoed.org/commoncore](http://www.natgeoed.org/commoncore) for more information.

From Booklist Despite the odd choice of a placid sheep gracing the cover of this entry in the National Geographic Investigates series, the content is fairly exciting and should grab the attention of its target audience. Simpson begins with an ancient mystery: an Egyptian mummy is found who may or may not be the long-missing pharaoh Hatshepsut, but only DNA testing can prove if she was related to other Egyptian royalty. These archaeological adventures are paired with the less visceral (but every bit as important) study of the heredity of pea plants done by Gregor Mendel in the 1800s. The photographs throughout are of high quality and match the unique angles taken by each chapter: plant genetics are seen through the prism of the Chernobyl explosion; long-life genes are discussed by asking the reader to examine different parts of their body in the mirror; and genetic duplication is broached by introducing Ditteaux, a clone who is the hope of the endangered African wildcat. An engaging look at a complex topic. Grades 4-6. --Daniel Kraus

About the Author Kathleen Simpson lives in the hill country of central Texas with her husband and dogs. She has authored numerous works for young people, including the National Geographic Investigates books *Extreme Weather: Science Tackles Global Warming and Climate Change*, *Genetics: From DNA to Designer Dogs*, and *The Human Brain: Inside Your Body's Control Room*.