

AP Biology Summer Assignment 2010

Read and report on a groundbreaking science book

1. Choose a groundbreaking book by a prominent scientist to read. The book chosen must be from the list below.
2. Write a three to four page summary of the book. Explain what effect this book had on the world and the scientific community historically. Outline the important theory (ies) in the book.
3. The report should be typed in Arial 10 point font, with 1 inch margins on all sides, double spaced, and no excessive spacing for titles etc. All work must be done in MLA format following all guidelines. If any of these guidelines are not followed, the paper may be given a zero or downgraded.
4. A paper copy of the report is *due by the beginning of class the first day* of school.

Book Report Booklist:

- On the Origin of Species by Means of Natural Selection - Charles Darwin
- Why Big Fierce Animals Are Rare – Colinvaux
- Stem Cell Now – Scott
- The Selfish Gene – Dawkins
- Silent Spring – Carson
- Punctuated Equilibrium – Gould
- In the Shadow of Man - Jane Goodall
- The Blind Watchmaker – Dawkins
- Living within Limits: Ecology, Economics, and Population Taboos – Garrett Hardin
- Man's Place in Nature – Thomas Huxley
- King Solomon's Ring – Konrad Lorenz
- On Aggression – Konrad Lorenz
- This is Biology – Ernst Mayr
- Embryology and Genetics – Thomas Hunt Morgan
- The Hot Zone – Richard Preston
- How Animals Work – Knut Schmidt-Nielsen
- Life in Moving Fluids – Steven Vogel
- Sociobiology – Edward Wilson

Important Notes:

- This is a college credit course that needs to be completed by May 1, 2011. (This allows for additional review time before the exam)
- There are 55 chapters to cover, which means we will be going very quickly and you will have large amounts of reading, memorization, and homework to complete. Be prepared!
- Be ready to do work outside of class and attend possible study sessions outside of normal school time.
- Everyone who takes this class **MUST** take the AP TEST or no AP credit will be given on your transcript!

You will also need to purchase an AP Biology review guide (choose from: Barron's, Princeton Review, Peterson's, Kaplan, Cliffs) from your local bookstore.

Good luck, have a great summer and I look forward to exploring Biology with you next year!

If you have any questions, please email me at parel@martin.k12.fl.us.

—Dr. Laura Pate