

Name _____

Date _____

ADVANCED PLACEMENT BIOLOGY

Dear Prospective AP Biology Student,

The Advanced Placement Biology program is enthusiastic about your interest and commitment to this course for the next school year. The program has high expectations and no time to waste, therefore, to ensure your success in this program and on the AP exam in May we need to start right away.

The following is a list of required assignments to do over the summer:

I. Choose a book from the enclosed list and write a report.

A. The report should include: (Note- One page = 300 words, double spaced, times new roman font, 12 size and standard borders)

- 1) complete bibliographic information (APA format)
- 2) a summary of the story (1-2 pages. Not from reviews of the book)
- 3) reflections about the book (1-2 pages, I am interested in your opinions and thoughts. Your reflection should deal directly with topics from the text)
- 4) the major scientific concepts covered (1 page)

B. The report is due on the first day of school.

C. A word of advice about books on the list. If you can't find the book at your local library, Borders, Crown, Barnes & Nobel bookstores or amazon.com can order a copy of most of these books. Don't wait until the last minute and then call to say that you are unable to locate any copies of any of these books.

D. Choose a book that you think you will enjoy, not one that you think will impress me. You have all year to impress me.

E. Any book selected that is not on the list must get approval; e-mail me at aswetz@aacps.org before you begin reading the book.

SUMMER READING LIST

A

Alvarez, Walter T. Rex and the Crater of Doom

Anfinsen Molecular Basis of Evolution Asimov, Issac Any book authored by him

Attenborough, David Life on Earth/ The Living Planet

B

Bakker An Island Called California

Banks, Vic The Pantanal

Bear, Greg Darwin's Radio

Bishop & Waldholz Genome Bodanis, David The Secret Family: Twenty-four Hours

Inside the Mysterious World of Our

Minds and Bodies

Bonner The Evolution of Culture in Animals

Bradbury, Ray The Martian Chronicles

Any other book authored by him

Bronowski The Ascent of Man
Brown, Dan Angels and Demons
Da Vinci Code
Bryson, Bill A Walk in the Woods

C

Caidin, Martin Maromed
Cairns Cancer: Science and Society
Carroll, Sean B. Endless Forms Most Beautiful: The new Science of Evo Devo
The Making of the Fittest: DNA and the ultimate forensic record of evolution
Carson, Rachel Silent Spring
Clark, Arthur C. 2001: A Space Odyssey
Any other book authored by him
Corner The Life of Planets
Crichton, Michael Andromeda Strain
Jurassic Park
Sphere
Any other book authored by him
Crick, James Life Itself
Curie, Eve Marie Curie: A Biography

D

Darwin, Charles The Origin of the Species
Voyage of the Beagle
Autobiography
Datnow, Claire Edwin Hubble: discoverer of a galaxy
Davidson, Keay Carl Sagan: A Life
Dilliard, Pilgram at Tinker Creek
Dement Some Must Watch While Some Must Sleep de Kruif, Paul Microbe Hunters
Diamond, Jared Guns, Germs, and Steel: The Fates of Human Societies
The Third Chimpanzee
Dubos Celebrations of Life

E

Edelhart & Lindenmann Interferon
Eisley Darwin's Century
Erich, Paul The Population Bomb
Etzioni Genetic Fix

F

Feynman, Richard Surely You're Joking, Mr. Feynman: Adventures of a Curious Character
Fouts, Roger Next of Kin: What Chimpanzees Have Taught Me About Who We Are

G

Garrett, Laurie The Coming Plague
Gonick & Wheelis Cartoon Guide to Genetics
Goodall In the Shadow of Man Goodfield An Imagined World
Playing God
Gould, Stephen Jay The Mismeasure of Man
The Panda's Thumb –Ever Since Darwin
Hen's Teeth and Horses Toes
Any other book authored by him
Green, Bill Water, Ice, and Stone: Science and Memory on the Antarctic Lakes
Grobstein A Double Image of the Double Helix

H

Hafner, K. & Lyon, M. Where Wizards Stay Up Late: The Origins of the Internet
Harsanyi & Hutton Genetic Prophecy, Beyond the Double Helix

Hawking, Stephen A Brief History of Time From the Big Bang to Black Holes
Any other book authored by him Huxley, Aldous A Brave New World

I/J

Johanson & Edey Lucy/ The Beginnings of Humankind
Judson The Eighth Day of Creation

K

Kaufman, Kenn Kingbird Highway
Keller, Helen The Story of My Life
Keller A Feeling for the Organism
Kolb, Rocy Blind Watchers of the Sky: The People and Ideas that Shaped Our Views
of the Universe
Krakauer, John Into thin Air: A Personal Account of the Mount Everest Disaster

L

Leakey, Mary or Richard People of the Lake:Origins
One Life Discovering the Past
Laurence, Louise Dream-weaver
Lehninger, Bioenergenetics
Lorenz King Soloman's Ring, Lyon & Gorner Alter Fate

Mc/M

McPhee, John In Suspect Terrain
Margulis, Lynn Microcosmos
Symbiosis in Cell Evolution
Miller, Kenneth Finding Darwin's God
The Body in Question
Moalem & Prince Survival of the Sickest: A Medical Maverick Discovers Why We
Need Disease (H
Moorehead Darwin and the Beagle
Moss Elephant Memories

N/O/P

Patterson & Linden The Education of Koko Pauling Vitamin C and the Common
Cold/Flu
Portugal & Cohen A Century of DNA

Q

Quammen, David Song of the Dodo Quinn, Daniel Ishmael

R

Rathje, W. & Murphy, C. RUBBISH! The Archaeology of Garbage

Regis, Ed Virus Ground Zero: Stalking the Killer Viruses with the Centers for Disease

Control

Reilly, Philip R. Abraham Lincoln's DNA and Other Adventures in Genetics

Restak, The Brain

Ridley, M. Genome

Roach, Mary Stiff

S

Sacks, Oliver An Anthropologist on Mars
The Man Who Mistook His Wife for a Hat
Any other book authored by him
Sagan, Carl Contact
Cosmos
Dragons of Eden
Schnell, Jonathon The Fate of the Earth
Sheeler & Bianchi Cell Biology
Silverberg, Robert Letters from Atlantis
Simon, Paul Tapped Out
Singh, Simon Fermat's Enigma: The Epic Quest to Solve the World's Greatest
Mathematical Problem
Sobel, Dava Longitude: The True Story of a Lone Genius Who Solved the Greatest
Scientific Problem of His Time
Steinbeck The Log of the Sea of Cortez Steptoe & Edwards A Matter of Life Stone
The Origin Stringer,
C. & McKie, R. African Exodus: The Origins of Modern Humanity
Strum Almost Human

T

Thomas, Lewis The Lives of a Cell: Notes of a Biology Watcher
Thornton Darwin Islands

U/V

Verne, Jules Any books authored by him

W

Watson, James The Double Helix: A Personal Account of the Discovery and
Structure of DNA
Weiner, Jonathon The Beak of the Finch, A Story of Evolution in Our Time
Wells, H.G. The Time Machine
The Invisible Man
War of the Worlds
Any other book authored by him
Wilson, Edward O. The Diversity of Life
Naturalist Journey to the Ants
The Insect Societies Ants

Any other book authored by him
Wingerson, Lois Mapping Our Genes
Wolfe Biology of the Cell
X/Y/Z