

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. No late reports will be accepted!
 - 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.
- II. **Read Chapter 1, Exploring Life**

The first chapter of the AP Biology text, *Biology* (8th Ed.) by Campbell, Reece, & Mitchell has been included in this packet OR you can access it through the Online Resource Center – see below for login instructions. Read the first chapter thoroughly and be prepared to take a quiz over its contents on the first day of school.

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
evolution	The Making of the Fittest: DNA and the ultimate forensic record of
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, Keya	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
Erlich, 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
Quinn, Daniel

Song of the Dodo
Ishmael

R

Rathje, W. & Murphy, C.
Regis, Ed
Disease

RUBBISH! The Archaeology of Garbage
Virus Ground Zero: Stalking the Killer Viruses with the Centers for

Control

Reilly, Philip R.
Restak,
Ridley, M.
Roach, Mary

Abraham Lincoln's DNA and Other Adventures in Genetics
The Brain
Genome
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 Problem of His Time
Greatest Scientific	
Steinbeck	The Log of the Sea of Cortez
Stephoe & 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
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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
Wolte

Mapping Our Genes
Biology of the Cell

X/Y/Z