HUMAN BIOLOGY, BIOMEDICAL ISSUES AND SOCIETY

TUSKEGEE LINKS

Tuskegee Experiment
"Bad Blood" A Case Study of the Tuskegee Syphilis Project
Tuskegee Resources on the Internet
Understanding the Tuskegee Experiment
Presidential Apology

SKIN LINKS

Melanoma Information Page and Pictures
Melanoma
Overall Info Sun and Skin
Skin Structure
Sun and Your Skin
Health Effects of Overexposure to the Sun
Darker Side of Tanning
Artificial Tanning
Health Effects Of Sun Tanning
Artificial Tanning
Health Risks of Sun Tanning
Risks of Tanning Parlors
Are Your Dying to Be Dark?

STEM CELL RESEARCH

Possible Medical Uses Of Stem Cells
Stem Cell Basics
Stem Cell Animation
Cloning Basics
White House Fact Sheet on Stem Cell Research
Application of Stem Cell Research
Cloning and Stem Cells
Assorted Stem Cell Topics
Religious Views on Human Reproductive and Therpeutic cloning
Stem Cells from all aspects
Assorted Stem Cell Topics
Ethics of Stem Cell Research
Human Cloning
Human Cloning Foundation Benefits and Myths
Cloning Yes or No
Recent Congressional Activity
Biology 106 Discussion Links

ANIMAL RESEARCH

Benefits of Animal Research
Using Animals for Research
Jane Goodall Institute
Alternatives for Animal Testing
PETA General Information
Critical Look at Animal Testing
Ethical Guidelines for Care and Use of Animals
Religious Views on Animal Medical Research

MARIJUANA LINKS

Negative Effects of Marijuana
Negative Aspects of Marijuana
Pros and Cons of Marijuana Use
Marijuana Facts vs. Myths
Legalization of Marijuana
Health Risk of Smoking Marijuana
Marijuana Addiction
Drug War Facts
Research Findings on Medicinal Properties of Marijuana
Update on Marijuana
Addiction and Marijuana
Top Drug War Distortions
Medical Marijuana
Medical Marijuana
Marijuana Myths
Marijuana Facts Sheet
Marijuana Facts Sheet
Possible Medical Uses of Marijuana

BIOTERRORISM LINKS

Animation of How Anthrax Infects the Body
Antibiotic Resistance
Agents of Bioterrorism and How to Be Prepared
Agents of Bioterrorism
Biology 106 Discussion Links

1. What is Bioterrorism?
2. Define each of these agents of Bioterrorism including Anthrax, Smallpox, Tularemia, Hemorrhagic Fever and Botulism.
3. Do fact finding about the signs and symptoms, exposure, risk of infection, how it can be spread, treatment, and possible preventative therapies.
4. Which of these agents would be the most effective agent of Bioterrorism? Support your answer.
5. What problems would need to be addressed in the event of a bioterrorist attack?
6. Briefly describe the history of bioterrorism.

AIDS

Statistics, Education, History and Origins Site

AIDS
Overall View of AIDS/HIV
AIDS FACTS
AIDS Information
How HIV Enter Cells and Replicates
How HIV Enter Cells and Replicates
AIDS FACT SHEETS
Drug Information, AIDS Testing, AIDS Fact Sheets

1. Present the statistics, data and any information that confirms HIV/AIDS is a worldwide epidemic.
2. Describe the causes of AIDS, at risk groups and behaviors.
3. Describe the ways in which education about AIDS is accomplished. What problems arise?
4. What are the origins of HIV? How is SIV important to the story of HIV?
5. Describe the changes that occur in the body when HIV enters.
6. What are the steps the virus needs to use in order to enter and replicate in human cells?
7. What are the complications and opportunistic infections associated with AIDS?
8. Discuss the combination or cocktail therapy presently used for treating AIDS. Include the 3 groups of drugs used, some examples, and what their action is.
9. Discuss the problems of the cocktail therapy.

TRANSPLANTATION
ANTIBIOTIC RESISTANCE

1. What does antibiotic resistance mean? Give as many examples as you can of diseases which now have resistant strains of bacteria? Which bacteria have become particularly worrisome?
2. Briefly describe the history of penicillin and why it's discovery was important.
3. Bacteria are particularly successful at resisting new drugs that we use against them. Explain various ways they can share resistance genes?
4. How have we, our doctors, drug companies, cleaning products industry and the food industry contributed to the problem of bacteria becoming resistant to antibiotics?
5. Describe how this problem has affected hospitals.
6. What measures are we taking to help solve the problem of antibiotic resistance?
The following links are suggested in preparation for discussion: