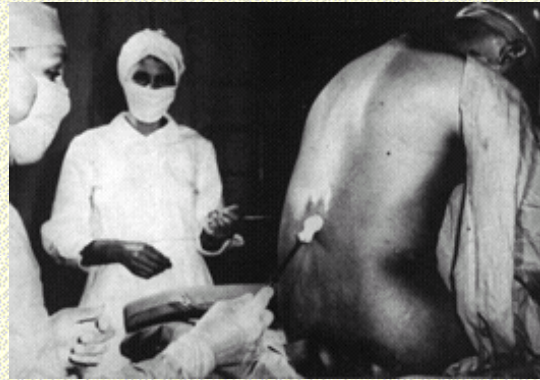


HUMAN BIOLOGY, BIOMEDICAL ISSUES AND SOCIETY

The following links are suggested in preparation for discussion:

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?](#)



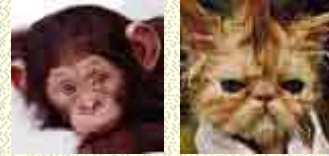
STEM CELL RESEARCH

[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](#)
[Stem Cells from all aspects](#)
[Assorted Stem Cell Topics](#)
[Ethics of Stem Cell Research](#)
[Human Cloning](#)
[Human Cloning Foundation Benefits and Myths](#)



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](#)
[Ethics of Animal Testing](#)



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 Fact Sheet](#)
[Marijuana Fact Sheet](#)
[Possible Medical Uses of Marijuana](#)



BIOTERRORISM LINKS

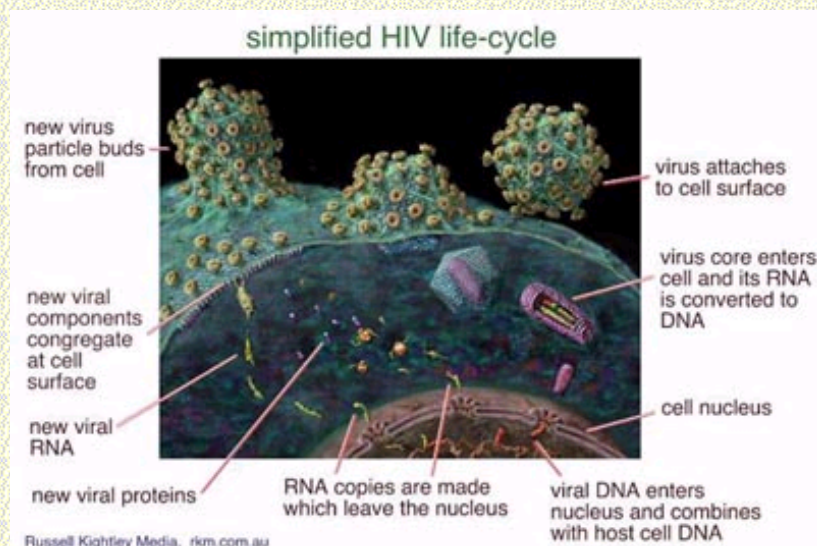
- [Animation of How Anthrax Infects the Body](#)
- [Antibiotic Resistance](#)
- [Agents of Bioterrorism and How to Be Prepared](#)
- [Agents of Bioterrorism](#)



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

[Ethics of Organ Transplants](#)

[Attitudes and Motivation of Organ Donation](#)

[Ethical Issues of Donor, Recipient, Allocation of Resources and Procurement of Organs and Tissues](#)

[Organ Selling and Transplants](#)

[Who Shall Live?](#)

[Questions To Consider about Organ Donation](#)

[Organ Donation Myths](#)

[Organ Donation Quiz](#)

ANTIBIOTIC RESISTANCE

[The Rise of Antibiotic-Resistant Infections](#)

[History, Policy and Definition Antibiotic Resistance](#)

[How Bacteria Become Resistant](#)

[Problem of Antibiotic Resistance](#)

[Antibiotic Resistance and Society](#)

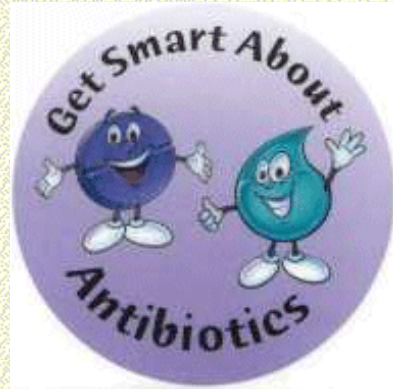
[Antibiotic Resistance Articles](#)

[Antibiotic Resistance: A Growing Threat](#)

[Miracle Drugs Vs. Superbugs](#)

[Antibiotic Uses](#)

[Drug 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 its 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?
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[\[Web Site Home Page\]](#) [\[Biology 106 Home Page\]](#)

[\[Biology 106 Syllabus\]](#) [\[Biology 106 Grading\]](#) [\[Biology 106 Requirements\]](#)

[\[Biology 106 Discussion Links\]](#) [\[Biology 106 Journal Questions\]](#)

[\[E-Mail Me\]](#)
