

Alternatives to Animal Dissection

There are many alternatives to animal dissection for teaching biology, anatomy and physiology.

The following teaching materials are samples of what you can suggest to your teacher, department head or principal. We have selected only those materials that do not require animals to be harmed or killed.

While some of these alternative materials may appear expensive, they can be used for many years, by many students. In comparison, animal parts can only be used once, and usually by only one to three students.

Each description below lists the name of the company or other source where the alternative materials can be obtained. Addresses and telephone numbers are listed at the end of this booklet under "Companies That Provide Alternatives." None of these providers sells animals for dissection. We recommend ordering catalogs from these companies, as they may offer other alternatives. If you have a specific question or need that is not addressed here, please contact the toll-free Dissection Hotline at 1-800-922-FROG (3764).

ANATOMICAL MODELS

Three-dimensional vinyl zoological models of a frog, earthworm, grasshopper and perch are available from Nystrom.

Denoyer-Geppert makes the **Great American Bullfrog** with a dissectible heart.

National Teaching Aids offers **vinyl relief models** of a frog and earthworm, with removable, flexible organs and carrying case.

Human anatomy torso models with removable parts are available from Denoyer-Geppert, Nystrom and National Teaching Aids.

Models of individual organs and systems are available from Nystrom, Denoyer-Geppert and Anatomical Chart Company.

Redco Science makes individual **desktop plastic DriSect models** of nine body organs and systems, and two DriSect comparative anatomy kits of vertebrate hearts and brains.

Denoyer-Geppert and Anatomical Chart Company have a wide selection of **plastic skeletons and skulls**.

VIDEOTAPES, VIDEODISCS AND SLIDES

A video, **Advances in Humane Education: Alternatives in Biology** from the National Anti-Vivisection Society (NAVS) gives an overview of many new methods that replace animal dissection. Available on a free-loan basis, or for purchase from FilmComm.

Videotapes on human anatomy are available from Teaching Films,

Films for the Humanities and Sciences, and Denoyer-Geppert (to accompany their Know Body torso model). Focus Media offers a 3-part Your Body series, and videos on mitosis and meiosis, DNA, evolution and natural selection.

A 3-D imaging videodisc on human anatomy, *Atoms to Anatomy*, and a **videodisc, Cell Biology**, are available from Videodiscovery.

Videos on plant, animal and marine biology are available from Films for the Humanities and Sciences.

Optical Data Corporation has a **laserdisc, Principles of Biology**, in its Living Textbook Series.

CellServ has a video which explains the **use of tissue culture** in biomedical research (and guides the use of CellServ kits).

CHARTS, POSTERS AND TRANSPARENCIES

Denoyer-Geppert publishes a large full-color chart series in biology, which includes frog anatomy and development, plant and animal cells, animal mitosis and meiosis, and many other

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