

Topic 5: Genetics – 5d. Websites for Genetics Problems

Listed under resources below are two particularly good websites for genetics problems.

Resources:

- Practice Genetics Problems [Internet]. Kansas State University. Cited 28 July 2009. Available from: <http://www.ksu.edu/biology/pob/genetics/intro.htm>
- Genetic X Files Problems. BioCoach Activity: The Biology Place [Internet]. Pearson Education, Inc. Cited 28 July 2009. Available from: http://www.phschool.com/science/biology_place/biocoach/inheritance/intro.html

Students benefit when they work lots of genetics problems that force them to become familiar with the vocabulary of genetics. It also helps them to analyze results and look for the simple patterns of inheritance seen in Mendelian genetics.

The site sponsored by Kansas State University has the problems divided by type, monohybrid, sex-linked, etc. The problems contain hints and final answers. Most of the problems deal with real animals and contain interesting information within the text of the problem. There are also very good photographs and drawings.

The Genetic X Files site is sponsored by Pearson Education, Inc. and is free. It is part of the extensive Biology Place website. This file involves crossing aliens (MendAliens) to determine how some of their unique traits are inherited. The site is colorful and easy to use.