

## 2019 HEREDITY (B) – INTERNET RESOURCES

### PRINCIPLES OF GENETICS

Learn Genetics

<http://learn.genetics.utah.edu/>

The Biology Corner – Genetics

<https://www.biologycorner.com/lesson-plans/genetics/>

The Biology Project – Mendelian Genetics

[http://www.biology.arizona.edu/mendelian\\_genetics/mendelian\\_genetics.html](http://www.biology.arizona.edu/mendelian_genetics/mendelian_genetics.html)

Genome Research Institute – National Institute of Health

<http://www.genome.gov/12511466>

Genetics Reviews on Several Topics

<https://www2.le.ac.uk/projects/vgec/highereducation/topics>

### SOLVING GENETICS PROBLEMS

<https://www.bio.fsu.edu/~levitan/BSC2011/Mendelian%20genetics%20problems.pdf>

<http://www.lamission.edu/lifesciences/bio3labs/Bio3%20Lab09-Fa12-Genetics.pdf>

Monohybrid Problem Set (The Biology Project, U of AZ) Tutorial on single-trait crosses.

[http://www.biology.arizona.edu/mendelian\\_genetics/problem\\_sets/monohybrid\\_cross/monohybrid\\_cross.html](http://www.biology.arizona.edu/mendelian_genetics/problem_sets/monohybrid_cross/monohybrid_cross.html)

Dihybrid Problem Set (The Biology Project, U of AZ) Tutorial on two-trait crosses.

[http://www.biology.arizona.edu/mendelian\\_genetics/problem\\_sets/dihybrid\\_cross/dihybrid\\_cross.html](http://www.biology.arizona.edu/mendelian_genetics/problem_sets/dihybrid_cross/dihybrid_cross.html)

Genetics Education Center at the University of Kansas

<http://www.kumc.edu/gec/lessons.html>

### HUMAN GENETICS

The Biology Project – Human Biology

[http://www.biology.arizona.edu/human\\_bio/human\\_bio.html](http://www.biology.arizona.edu/human_bio/human_bio.html)

Introduction to Basic Human Genetics

<https://www.gfmer.ch/SRH-Course-2013/community-genetics/pdf/Introduction-basic-human-genetics-Hamamy-2013.pdf>

<http://pages.mtu.edu/~shuzhang/MA5750/Lecture1out.pdf>

National Human Genome Research Institute

<http://www.genome.gov/>

National Human Genome Research Institute Educational page for students and teachers

<http://www.genome.gov/Education/>

Human Genetics Primer from US National Library of Medicine – printable PDF (6MB)

<https://ghr.nlm.nih.gov/primer>

Human Genetic Disorders

<https://www.genome.gov/10001204/specific-genetic-disorders/>

<https://learn.genetics.utah.edu/content/disorders/>

### MITOSIS/MEIOSIS/CELL CYCLE

<https://www.khanacademy.org/test-prep/mcat/cells/cellular-division/a/mitosis-and-meiosis>

<https://www.cellsalive.com/meiosis.htm>

<https://www2.le.ac.uk/projects/vgec/highereducation/topics/cellcycle-mitosis-meiosis>

## **DNA AND PROTEIN SYNTHESIS**

DNA from the Beginning – Classic Genetics, Molecular Genetics, Genetic Organization & Control

<http://www.dnafb.org/##>

DNA Learning Center – Cold Spring Harbor Laboratory

<http://www.dnalc.org/>

The Biology Project – Molecular Genetics

[http://www.biology.arizona.edu/molecular\\_bio/molecular\\_bio.html](http://www.biology.arizona.edu/molecular_bio/molecular_bio.html)

Lecture Notes

[http://kchsscience.weebly.com/uploads/1/3/7/8/13786476/pdf\\_ch.\\_12\\_lecture\\_notes.pdf](http://kchsscience.weebly.com/uploads/1/3/7/8/13786476/pdf_ch._12_lecture_notes.pdf)

[http://www.gallantsbiocorner.com/uploads/9/1/3/5/9135671/dna\\_notes.pdf](http://www.gallantsbiocorner.com/uploads/9/1/3/5/9135671/dna_notes.pdf)

[http://moira.meccahosting.com/~a0007a0f/Site/DNA\\_PSyn\\_files/Protein%20Synthesis.pdf](http://moira.meccahosting.com/~a0007a0f/Site/DNA_PSyn_files/Protein%20Synthesis.pdf)