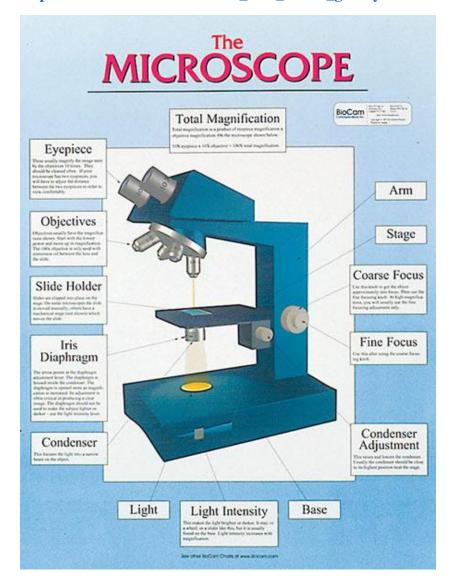
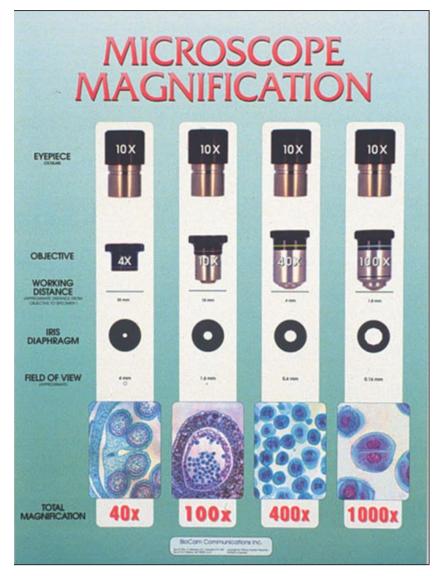
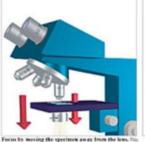
BSC1005L Posters - all posters courtesy of BioCam Charts. They may be accessed at:

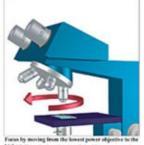
http://www.biocam.com/Biocam_wall_charts_gallery.html





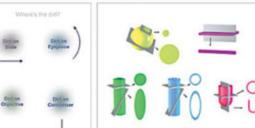






FOCUSING TIPS



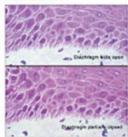




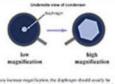


Nides that are sections are slices of three dimensional objects,

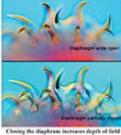




Closing the diaphragm increases contrast Fine her impersions the heads of periody choing alone the set displayme. The top image ideas has control and data not appear to be a diago as the behavior image. Herecur, closing the displayment to much will depose the image.



you increase magnification, the displanger should areastly be red even, by give the best view oily your specimen. A practical reach would be to do the belowing: While charming the speci-c gens the displanger and then close is deven closely, and you



Instrumed depth of field will show you never leave of a subject. This is perfocularly moleculate on thick objects like the books on this toposeum.



Prokaryotic Cells



Cyanobacteria --

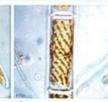


Eukaryotic Cells

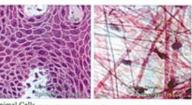
All the cells shown below are eukaryotes.



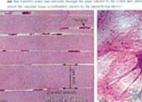


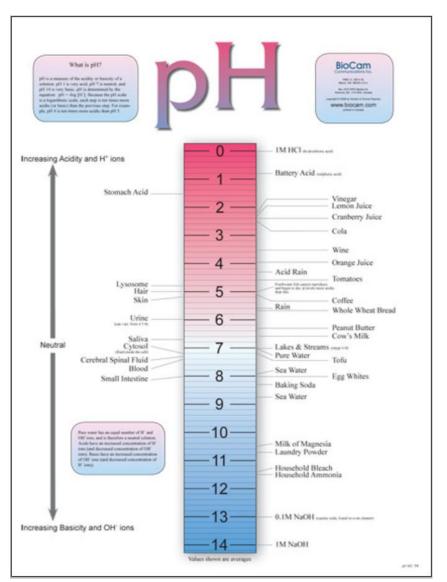




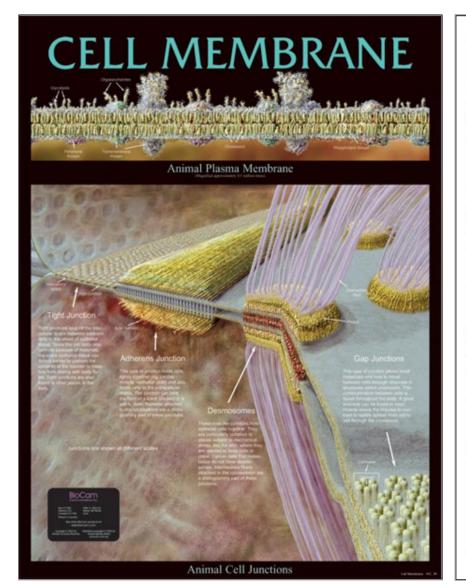


Animal Cells,



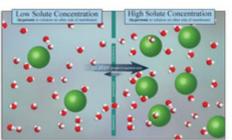






OSMOSIS

BioCam -Section Seems to



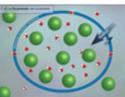
Osmosis is the diffusion of water across a selectively permeable membrane from an area of low solute (high water) concentration to an area of high solute (low water) concentration.

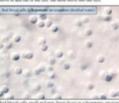
Although water molecules travel as both directions, more water molecules According to the received in the second control of the second cont Fever water more colors scare the high senter amountainm aris because there are fever water moleculus there—they have been disted down by the solute moleculus. Also, bonds have been formed between the seator molecules and the solute moleculus, making the water moleculus unusual able to leave

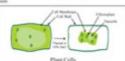
When comparing environments, one that has a higher solute concern is called In-pertunic, while a lower solute concentration is called hypotonic. If the solute concentrations are the same, they are called

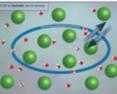






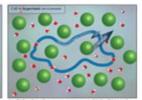




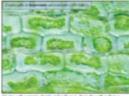


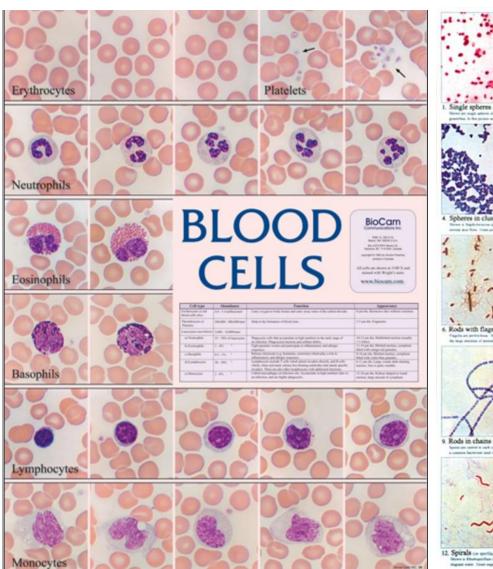


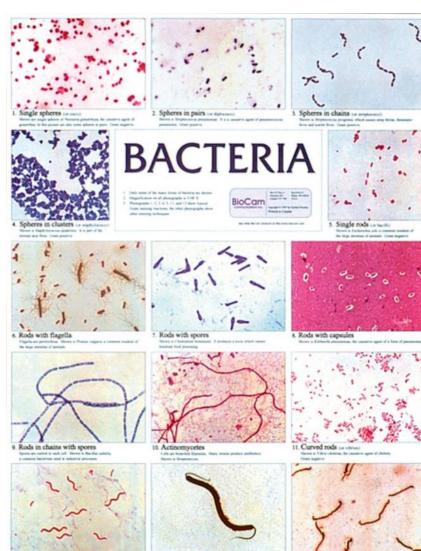




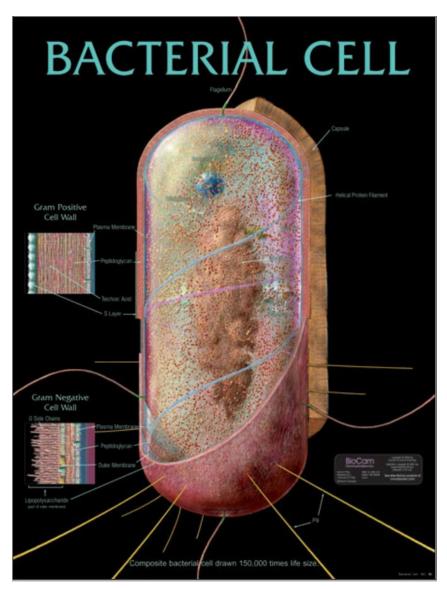


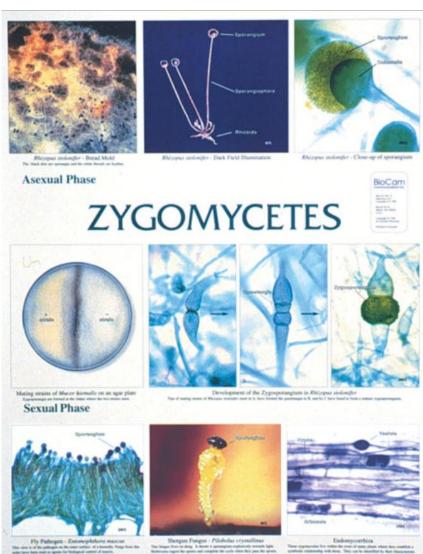






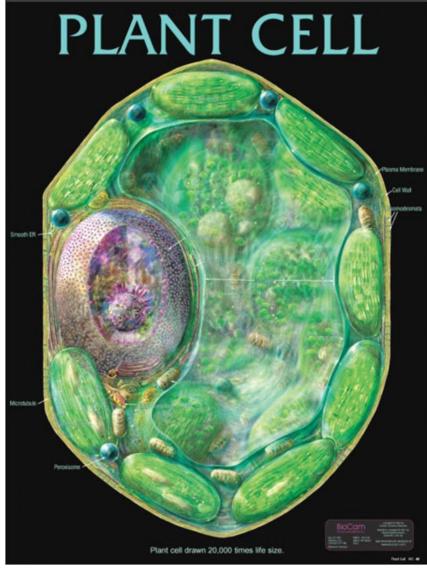
13. Spiral with flagella

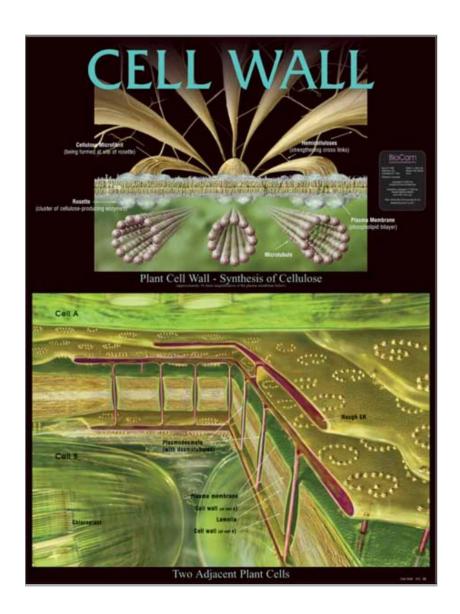


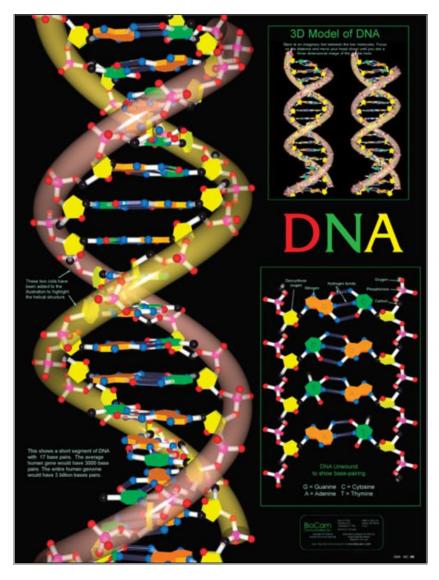


Examples





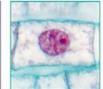






Interphase





Plan Cult gDate Reet Tips

MITOSIS





Prophase



2 Metaphase
Chemisters digo themselves in a place which is propositional or the context of the spinols. This place is called the mappines place.



» Anaphase

Since chromatic split at the commons and total country opposite south of the spindle. Each obser-mental is now considered a fiell chromatomy.



4. Telophase
Christocomo attina et dis solo of the speaks and the spinks appoint house to describe the spinks appoint and the christocomo and the christocom







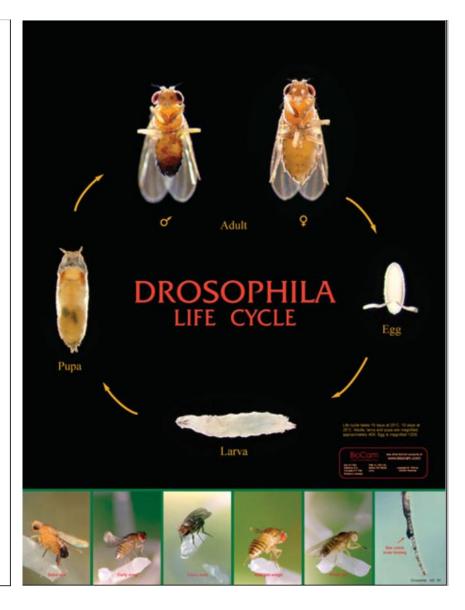












GENETICS I

Essential Terminology



Gene. Allele, and Locus

A game to the basis; sort of basedon. It is a segment of DNA on a chromosome and carriers the neutralines in boald as EVA motion for the EVA motion for the set these intermedience in boald postures. Evals game to faund at a specific place, or beam, on its specific placements. Variations of a game are called about.

Heterozygous and Homozygous

Materials gone and colouists bases tree different alloins for the cases gave, while business gave and colouis bases altertical alloins for the nature gave.

Genotype and Phenotype

Dominant and Recessive

A distinguish differ to the one which to expressed in a histomorphic with right a manager of this is not expressed. Why is no to take shall be training use for two managers or managers and the property of the property of the property of the property of the smaller of the controller of \$0 months for the property of the property of the capacitation of the white through As well as sample distributions, there is also considered in the capacitation of the property of the pr

Gamerica nellow to all the handstorn separated of an expansion. Specifically, it refers to a sage of all the DPA Named on a set of observations. In recludes holds gains, and

Chromosome, Chromatid, Centromere, Homologue

Mitosis/Meiosis

Moreon is the present whereby the self-divides in majoral into two identical any. This is followed by self-division. It recent to sensite safe of autorisms: Mose the present where a diplinal jame self-divides recent to form highest gaments by

Haploid and Diploid

Monohybrid and Dihybrid Crosses

A considerated cross to a stress between hybride theorems game for a gents where a size μ compared to g. For a Fyl. A distributa cross to a cross between hybride where constants are acceptant for g. FyW = π FyW = π

P. F₁ and F₂ Generations

As a cross, P is the presental procession, and F_{λ} refers to the first affiguring, or first Sfall procession. When F_{λ} inflating broad Books amongst thereofore, the result is the F_{λ} , or count Sfall parameters.

Replication, Transcription, and Translation

SNA repeat trail by replication, makes a complicationing NNA regs of itself by true simplice, and the NNA was translation to make a polypophile or protein.

Exon and Intron

An exam is the part of a substyres, gene that is expressed, or under the present. As setting is the executing part of the gene found at setun-als between the examp

Nation cells in our bodies have a samplate complicated of our game. However, contain games are activated, or expressed, in each type of self. The game expec

Crossing Over

Obering moneys, hereologues contribute material and paterial obstimumental reag-presses of DNA with such other. This allows for graphs games, variation within a mentalistic.

DNA and RNA

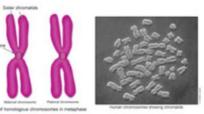
1896, or describeration and provide the bury instructions for green. These monutations are report to \$754, or observables and, when it is transmitted their 1894. \$954 manifests the proteins \$754 star observable actions.



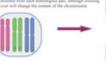


























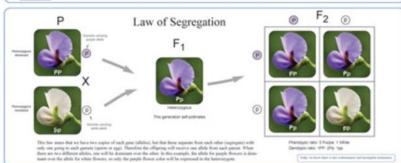
Mendelian Genetics



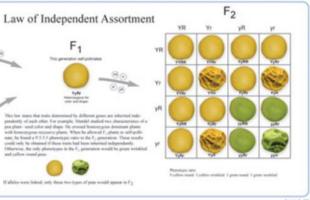


GENETICS II

In 1866 Gregor Mendel published his findings on genetics after eight years of studying 30,000 pea plants. Initially, his observations were mostly ignored. While there are exceptions to the principles he formulated, they still form the cornerstone of our modern knowledge of genetics.



The Testeross A tentions determines if an individual in heterosygnes or homotyposa for a track by prossing it with a homotyposa for a track individual (in this reample, the white flower). If all the obliquing lave purple flow-ers, we know that the parane purple flower-ment he homotyposa, if it was heterosygree, there would be a 1.1 catio of white to Is it Pp or PP?











Rh* Clumps with antiscrum



BLOOD TYPING

ABO SYSTEM











A Antigens



B Antigens



A & B Antigens



No Antigens















Clumping with anti-A scrum



No Antibodies A &B Antibodies



No Clumping with anti-A serum



Clumping with anti-A serum



No Clumping with anti-A serum



No Clumping with anti-B serum



Clumping with anti-B serum



Clumping with anti-B scrum

A, B, AB, O



No Clumping with anti-B serum

Can Donate to B, AB

Can Donate to AB

Can Accept from

Can Donate to A, B, AB, O

> Can Accept from 0

Can Donate to A, AB

Can Accept from A, O

Can Accept from B, O