

General A & P

STUDY GUIDE FOR LAB PRACTICALS

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THIS IS A REVIEW.....NOT A CONTRACT!!! My only guarantee is that this will cover 90-95% of the items seen on the lab practicals.

Chapter 3 The Cell :

A. In general, know all diagrams in Chapter 3.

B. GENERAL TERMS:

Cell Anatomy (diagrams and models when appropriate):

Organelles
 Plasma membrane
 Cytoplasm
 Golgi apparatus
 Lysosome
 Mitochondria
 Nuclear envelope
 Nucleolus
 Nucleus
 Pinocytosis
 RER (rough endoplasmic reticulum)
 Ribosome
 SER (soft endoplasmic reticulum)
 Microvilli/ Cilia
 Microtubule
 Centriole
 Cytoskeleton

Cell Division:

(* = Know from slide diagrams)

Mitosis
 Daughter cells
 Cytokinesis
 Interphase (NOT a phase of mitosis!)*
 Prophase*
 Chromosomes*
 Chromatids
 Spindle/mitotic spindles*
 DNA
 Asters*
 Centriole
 Metaphase*
 Anaphase*
 Sister chromatids/daughter chromosomes*
 Telophase*
 Cleavage furrow
 Nuclear envelope
 Metaphase plate/ equator

C. Also know:

-Know all the functions of organelles in table

-skip fig. 3.2, activity "Differences and Similarities", activity "Creating Mitotic Figures".

Guide for Cell Anatomy & Mitosis Labs

This is a guide for what the student should learn off of the various models, dissections, etc. This is a guide only; it is not an exclusive list.

Models/Charts found in Regular Lab & Learning Lab

Animal Cell Model:

Know everything off the images in lab book.

Golgi Model:

Be able to ID it. Know the function of the golgi.

Mitochondria Model:

Be able to ID it. Know the function of the mitochondria. Know any parts of the mitochondria that are in your lab book.

Centriole Model:

Be able to ID it. Know the function of the centriole.

Animal Cell Chart:

Know everything off the images in lab book.

Mitosis Models: ID the stages, put them in order, be able to ID chromosomes, spindle fibers, nuclei, cleavage furrow, any other term on word list you can see.

Mitosis Handout: Student can take one home!

Wall Chart, Mitosis:

Know everything off the images in lab book.

The following models will not be in the learning lab

The slides on the "demonstration scopes" will not be in the learning lab.

Slides:

On Demo Slides, ID the stages of mitosis. Know all the structures you saw on the models.