

Final Study Guide
(Ch. 18-40)

TAXONOMY

Species
K-->S
Scientific vs. common name
Multicellular/unicellular
Cell walls
Prokaryotic/eukaryotic
Autotrophic/heterotrophic

BACTERIA

Coccus, bacillus, spirillum
Gram staining
Role in environment
Pathogen
Virus - capsid (protein) & DNA or RNA
Lytic infection

PROTIST

Conjugation
Pseudopodia
Giardiasis
Malaria
Red Tide

FUNGI

Examples of zygo, asco, basido, deuteromycetes
Fruiting body
Human diseases
Method of feeding
Reproduction of zygo & deuteromycetes
Role in ecosystem

PLANTS

Meristem
Phloem/xylem - vein
Spongy layer
Cuticle
Anther
Methods of pollination
Angiosperm -vs- gymnosperm
Stomata
Guard Cells

ANIMALS

Acoelomate (flatworms)
Gastrulation
Symmetry (radial -vs- bilateral)
Porifera - sponge
Cnidaria - hydra, nematocyst
Platyhelminthes - planaria
Nematoda (gut/move - roundworm)
Annelida - segmented worm

ANATOMY

Neurotransmitters
Cell body, axon, dendrite
Reflex
Myelin sheath
Retina
Semicircular canals
Taste buds
Pancreas
Testes
Artery, vein, capillary
Blood pressure
SA node
RBC, WBC, platelets
Lymph
Trachea, larynx
Diaphragm
Kidneys (skin)
Ureter/urethra
Peristalsis
Stomach
Small intestine
Bile
Uterus, cervix, fallopian tubes
First line of defense - acidic skin,
mucous membranes, stomach acid
Inflammatory response
Helper T, Killer T, B cells, macrophage,
antibody, memory cells
Neutrophils
Haversian canals
Ligaments -vs- tendons
Myosin -vs- actin
Epidermis & dermis