

Study Sheet Review - Diversity Of Living Things

Use this list of terms and concepts to **make a study sheet**. Write out the terms on lined paper. For each kingdom classification specify **cell type (eukaryote or prokaryote)**, **cell wall material**, **nutrition**, **reproduction**, **habitat**, and an **example organism**.

Topics	Content	Textbook
Taxonomy	Taxonomy, hierarchical classification, binomial nomenclature, introduction to the 3 domains and 6 Kingdoms (** Chart important), explain if viruses can be defined as living	390-391, 394-386 handouts
Classification	Dichotomous keys and using a tree diagram to determine the key features for a species	380-384
Virus	Physical structure, lytic vs lysogenic cycle, helpful virus examples, examples of harmful viruses, are they alive? why?	
Kingdom Archaea	Classification, methanogens, halophiles, thermo-acidophiles, extremophiles, roles and uses, prokaryotic vs. eukaryotic cells	414-418
Kingdom Bacteria	Classification, 3 shapes, 3 types of colonies, examples of helpful and harmful bacteria, gram negative or positive based on cell wall thickness, effect of antibiotics, asexual reproduction mostly by mitosis, conjugation, use of spores,	419-430
Kingdom Protista	Classification, 3 types, protozoan (animal-like, name and give examples of each of the four types, describe cilia and flagella), plant-like (name and give examples of the four types), fungus-like (name and give examples of the two types) -Hint features of the Kingdom, 3 phyla and Protist Class- Compare characteristics of 2 animal like protists OR 2 plant like protists	432 - 449
Kingdom Fungi	Classification, basic structure, reproduction, 4 types based on spore sacs except for yeast For the test: focus on features of the kingdom, the methods of reproduction and important roles that Fungi play	450-458
Kingdom Plantae	Classification, evolutionary adaptations to live on land, name the four main phyla, explain major evolutionary change at each phyla (* label diagram)	464-486

Taxonomy Unit Test Outline

The test will be about 65 marks divided as follows:

15-20 marks multiple choice

10-15 marks matching

6-10 marks diagrams

20 marks short answers

5 marks inquiry/ thinking