

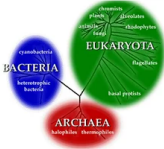

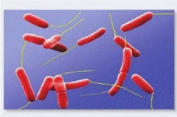






Quizlet

6.12CD Classification of Organisms Vocabulary

Terms in this set (24)

Organism	<p>An individual form of life that is capable of growing, metabolizing nutrients, and usually reproducing</p> 
Taxonomy	<p>The branch of science that formally names and classifies organisms by their structure, function, and relationships</p> 
Domains	<p>The highest level of the taxonomic hierarchy; includes three groups: Archaea, Bacteria, and Eukarya</p> 
Domain Archaea	<p>a domain; consists of a specialized group of unicellular prokaryotes that can live in extreme environments.</p> 
Domain Bacteria	<p>a domain; includes prokaryotic, single celled organisms that lack a membrane enclosed nucleus and can be classified by shape: spherical, rod, or spiral</p>  <p><small>Domain Bacteria. Mostly unicellular prokaryotes that inhabit many diverse environments on Earth.</small></p>

Domain Eukarya	<p>a domain; has cells that contain a membrane enclosed nucleus</p> 
Kingdoms	<p>The second highest level in the taxonomic hierarchy; contains six (6) groups: Archaea, Bacteria, Protista, Fungi, Plantae, and Animalia.</p> 
Kingdom Archaeobacteria	<p>Kingdom of prokaryotic, single celled organisms that live in extreme environments.</p> 
Kingdom Eubacteria	<p>Kingdom of prokaryotic, single celled organisms that lack a membrane enclosed nucleus and can be classified by shape: spherical, rod, or spiral.</p> 
Kingdom Animalia	<p>Kingdom of heterotrophic eukaryotes that includes all animals.</p> 
Kingdom Fungi	<p>Kingdom of heterotrophic eukaryotes that reproduce through asexual spores and have cell walls.</p>  <p><small>Fungi: unicellular and multicellular organisms that have a cell wall but cannot carry out photosynthesis. Fungi usually exist on decaying organic material.</small></p>

Kingdom Plantae

Kingdom of autotrophic eukaryotes that includes all plants.



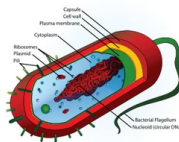
Kingdom Protista

Kingdom of single celled and simple multiple celled eukaryotic organisms.



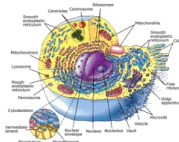
Prokaryotic Cell

A small cell lacking a nucleus or any other membrane-enclosed organelle



Eukaryotic Cell

A cell containing a membrane-enclosed nucleus and organelles.



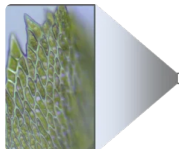
Unicellular

A category of organisms made up of one cell.



Multicellular

A category of organisms made up of more than one cell and of different types of cells.



Autotrophic

An organism that is able to make its own food



Heterotrophic

An organism that must consume other organisms for energy.



Reproduction

The process by which organisms produce more of their own kind.



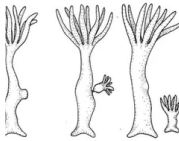
Sexual Reproduction

The reproductive process involving two parents whose genetic material is combined to produce a new organism different from themselves.



Asexual Reproduction

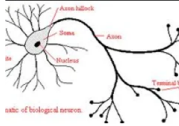
The reproductive process that involves one parent and produces offspring identical to the parent. Exact copy of the parent cell - budding, fission, spore formation



Structure

The arrangement of parts that form a living thing.

Neuron (Nerve Cell)



Function

What something does

