

Life Science 11

Microbiology Terminology List

virus	phototrophic	obligate anaerobe
pathogen	chemotrophic	facultative anaerobe
phage	saprophytic	field of view
membrane fusion	binary fission	depth of field
endocytosis	conjugation	magnification
genetic injection	cocci	resolution
retrovirus	bacillus	protist
recombinant DNA technology	spirillum	Theory of Endosymbiosis
variolation	diplo	sporophyte generation
vaccination	strepto	gametophyte generation
bacteria	staphlo	diploid
autotrophic	tetra	haploid
heterotrophic	obligate aerobe	gametes

Process

- living vs. non-living characteristics of a virus
- basic components of a virus
- origin of viruses
- Lock & Key Theory of Viral Specificity
- lytic cycle vs. lysogenic cycle (4 steps to each)
- briefly describe the process of recombinant DNA technology
- 4 traditional ways to make a vaccine
- how mRNA vaccines work
- importance of herd immunity
- 4 phylum of bacteria and defining characteristic of each
- roles of bacteria
- methods to control bacterial growth/spread
- traits used to identify bacteria
- Gram's stain and how it pertains to bacteria
- 4 main types of microscopes
- microscope calculations (magnification, actual size & drawing magnification)
- general protist characteristics
- how three main groups of protists (animal, plant and fungus like) are separated
- 4 animal-like protists and defining characteristic
- 7 plant-like protists and defining characteristic
- uses of algae
- process of alternation of generation