

Microbiology Flashcards PDF

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What is the study of microorganisms called?

Microbiology

What are the main types of microorganisms?

The main types of microorganisms include bacteria, viruses, fungi, and protozoa.

What is the role of bacteria in the environment?

They play a crucial role in nutrient cycling, decomposition, and as part of the food chain.

What is a virus?

A virus is a small infectious agent that can only replicate inside the living cells of an organism.

What is the difference between prokaryotic and eukaryotic cells?

Prokaryotic cells do not have a nucleus or other membrane-bound organelles, while eukaryotic cells do.

What is an antibiotic?

An antibiotic is a type of antimicrobial substance that is active against bacteria.

What is the purpose of a Gram stain?

The Gram stain is used to classify bacteria into two groups based on the characteristics of their cell walls.

What are pathogens?

Pathogens are microorganisms that can cause disease.

What is the function of the immune system?

The immune system protects the body from infectious diseases and foreign invaders.

What is fermentation?

Fermentation is a metabolic process that converts sugar to acids, gases, or alcohol in the absence of oxygen.