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quizlet and memorize flashcards containing terms like virus pathogen viroid and more what roles do prokaryotes play in the living world bacterial roles symbiotic bacteria many bacteria live in or on other organisms including humans and aid their host some live in the gut of herbivores helping to digest cellulose bacteria in the gut of humans aid digestion and produce vitamins bacteria on skin and in body prokaryotic and eukaryotic cells imarie uses a microscope to study different prokaryotic and eukaryotic organisms which of the following statements describes how the prokaryotic cells appear compared to the eukaryotic cells the prokaryotic cells have a nucleus while the eukaryotic cells do not microbiology is the study of microorganisms which are defined as any microscopic organism that comprises either a single cell unicellular cell clusters or no cell at all acellular this includes eukaryotes such as fungi and protists and prokaryotes study guide essential skills 3 1 be able to identify the differences between a prokaryote eukaryote cell and plant animal cell 3 2 be able to explain how the following organelles function nucleus ribosome chloroplast mitochondria endoplasmic reticulum golgi apparatus hs ls1 2 5 7 study with quizlet and memorize flashcards containing terms like pathogen capsid bacterium and more generate kahoot based on a topic open the kahoot creator type in the topic of your kahoots and click generate to use ai powered features keep it short and simple for example dog breeds or space the character limit for the prompt is 60 edit or change the topic in the top search bar and click refresh to generate new questions

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key points prokaryotes are single celled organisms belonging to the domains bacteria and archaea prokaryotic cells are much smaller than eukaryotic cells have no nucleus and lack organelles all prokaryotic cells are encased by a cell wall many also have a capsule or slime layer made of polysaccharide

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label the following structures of a typical prokaryote seen here cell wall sex pilus circular chromosome nucleoid region ribosomes flagella capsule and fimbriae sketch in a plasmid or two and label them for each structure know the function

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what roles do prokaryotes play in the living world bacterial roles symbiotic bacteria many bacteria live in or on other organisms including humans and aid their host some live in the gut of herbivores helping to digest cellulose bacteria in the gut of humans aid digestion and produce vitamins bacteria on skin and in body

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prokaryotic and eukaryotic cells imarie uses a microscope to study different prokaryotic and eukaryotic organisms which of the following statements describes how the prokaryotic cells appear compared to the eukaryotic cells the prokaryotic cells have a nucleus while the eukaryotic cells do not

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microbiology is the study of microorganisms which are defined as any microscopic organism that comprises either a single cell unicellular cell clusters or no cell at all acellular this includes eukaryotes such as fungi and protists and prokaryotes

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study guide essential skills 3 1 be able to identify the differences between a prokaryote eukaryote cell and plant animal cell 3 2 be able to explain how the following organelles function nucleus ribosome chloroplast mitochondria endoplasmic reticulum golgi apparatus hs lsl 2 5 7

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