



BACTERIUM CHROMOSOME HISTONE PROTEINS





BACTERIUM CHROMOSOME:

BACTERIUM CHROMOSOME HISTONE PROTEINS





BACTERIUM CHROMOSOME: HISTONE PROTEINS ABSENT









REPLICATION

REPLICATION

REPLICATION

CHROMOSOME COPIES ITSELF

REPLICATION

CHROMOSOME REPLICATION SYNDNAYOUS CHROMOSOME DUPLICATION





C





2





DNA CONTENT DOUBLED





BINARY FISSION SPECIFICS







S























BINARY FISSION DAUGHTER CELLS



DAUGHTER CELL





DAUGHTER CELLS

DAUGHTER CELLS

DAUGHTER CELLS

GENETICALLY IDENTICAL

DAUGHTER CELLS



BINARY FISSION DAUGHTER CELLS







BINARY FISSION DAUGHTER CELLS



GENETICALLY IDENTICAL



-

PROKARYOTE

B





PROKARYOTE BACTERIUM





PROKARYOTE CELL DIVISION





PROKARYOTE BINARY FISSION








2







DNA CONTENT DOUBLED



S

























BINARY FISSION DAUGHTER CELLS













GENETICALLY IDENTICAL





EUKARYOTE CELL DIVISION

EUKARYOTE CELL CYCLE

EUKARYOTE CELL CYCLE

EUKARYOTE CELL CYCLE

SEQUENCED STAGES

EUKARYOTE CELL CYCLE



EUKARYOTE CELL CYCLE STAGES

INTERPHASE

EUKARYOTE CELL CYCLE STAGES

EUKARYOTE CELL CYCLE STAGES

INTERPHASE KARYOKINESIS

EUKARYOTE CELL CYCLE STAGES

EUKARYOTE CELL CYCLE STAGES

INTERPHASE KARYOKINESIS CYTOKINESIS

EUKARYOTE CELL CYCLE STAGES













KARYOKINESIS













KARYOKINESIS

KARYOKINESIS

NUCLEUS DIVISION

KARYOKINESIS



KARYOKINESIS TYPES

EUKARYOTE KARYOKINESIS TYPES

MITOSIS

EUKARYOTE KARYOKINESIS TYPES



EUKARYOTE KARYOKINESIS TYPES

MITOSIS MEIOSIS

EUKARYOTE KARYOKINESIS TYPES




MITOSIS

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QUESTION

DURING MITOSIS DOES CHROMOSOME NUMBER **REDUCTION OCCUR?**













HUMAN GENOME



HOMO SAPIENS

HUMAN GENOME

+



HOMO SAPIENS













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QUESTION

DURING MEIOSIS DOES CHROMOSOME NUMBER **REDUCTION OCCUR?**



ANSWER





ANSWER



DURING MEIOSIS CHROMOSOME NUMBER REDUCED **BY 1/2**









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MITOSIS



SOMATIC CELL

SOMATIC CELL



SOMATIC CELL

UNDERGOES MITOSIS ONLY

SOMATIC CELL

















FUNGUS DIVERSITY





PLANT DIVERSITY

