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DNA Replication

Number of DNA formed in DNA Replication

The number of DNA formed in DNA Replication is

- 2

Similarity of DNA formed in DNA Replication

The DNA formed in DNA replication are identical.

Source of DNA replication

The source of DNA replication is

- Parental DNA

Product in DNA replication

The product in DNA replication is

- Daughter DNA

Nature of process of DNA replication

The nature of process of DNA replication is

- autocatalytic

Precision in DNA replication

The precision in DNA replication is expressed as

- DNA replication is errorless mechanism.

Genetic Need for DNA replication

The genetic need for DNA replication is

- DNA replication maintains genetic stability.

Time for DNA replication at cell cycle

The time for DNA replication at cell cycle is

- DNA replication occurs at interphase of cell cycle.

Time for DNA replication at interphase

The time for DNA replication at interphase of cell cycle is

- DNA replication occurs at *S* phase.

Types of DNA Replication

The types of DNA replication model are

- Conservative model of DNA replication
- Dispersive model of DNA replication
- Semi conservative model of DNA replication

Conservative model

Function of parental DNA in conservative model of DNA

The function of parental DNA in conservative model of DNA is

- Parental DNA synthesizes daughter DNA

Age of DNA molecules in conservative model of DNA

The age of one daughter molecule of DNA in conservative model of DNA is

- Completely new

The age of another daughter molecule of DNA in conservative model of DNA is

- Completely old

Dispersive model

Activities in dispersive model of DNA

The activities in dispersive model of DNA are

- Breakdown of parental DNA
- Synthesis of daughter DNA

Function of fragments of parental DNA in dispersive model of DNA

The function of fragments of parental DNA in dispersive model of DNA is

- Fragments of parental synthesize new DNA strands

Strands of daughter DNA molecules in dispersive model of DNA

The composition of strands of daughter DNA in dispersive model of DNA are

- Parent DNA strands
- New DNA strands

Semi Conservative model

Propounders of semi conservative model of DNA

The propounders of semi conservative model of DNA are

- Watson and Crick

Date of proposal of semi conservative model of DNA

The date of proposal of semi conservative model of DNA is

- 1953

Experimental biologist to verify semi conservative model of DNA

The experimental biologists to verify semi conservative model of DNA are

- Messelson and Stahl

Date of experimental verification of semi conservative model of DNA

The date of experimental verification of semi conservative model of DNA is

- 1958

Conservation of parental DNA in semi conservative model of DNA

The conservation model of parental DNA in semi conservative model of DNA is

- The parental DNA fragments are partially conserved.

Mechanism of DNA Replication

Activites in DNA Replication

Nicking in DNA Replication

Enzyme utilized in nicking in DNA Replication

Function of endonuclease in DNA Replication

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Term for origin of replication in DNA Replication

Replicons in DNA Replication

Function of enzyme DNA helicase in DNA Replication

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Shape of replication fork in DNA Replication

Replication bubble in DNA Replication

Function of single stranded binding proteins in DNA Replication

Abbreviation of single stranded binding proteins in DNA Replication

Function of primase in DNA Replication

Number of point of ori present at eukayrotes

Number of point of ori present at prokayrotes