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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.