

BIOL01113 Vocabulary Assignment 11

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Chromatin

A network of fine threads comprised of DNA and proteins.

Semiconservative replication

The synthesis of new DNA where half of each new strand of DNA is from the original strand.

DNA polymerase

An enzyme responsible for the positioning and joining of new nucleotides onto a template strand of DNA.

Homologous chromosomes

Two chromosomes that code for the same traits.

Diploid

A cell containing two sets of chromosomes

Mitosis

A type of cell division that produces diploid daughter cells

Cell cycle

The repeating process of interphase, mitosis, and cytokinesis.

Gametogenesis

The production of new gametes (sperm and oocytes).

Meiosis

A type of cell division that produces haploid daughter cells

Haploid

A cell containing only one set of chromosomes