

# 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