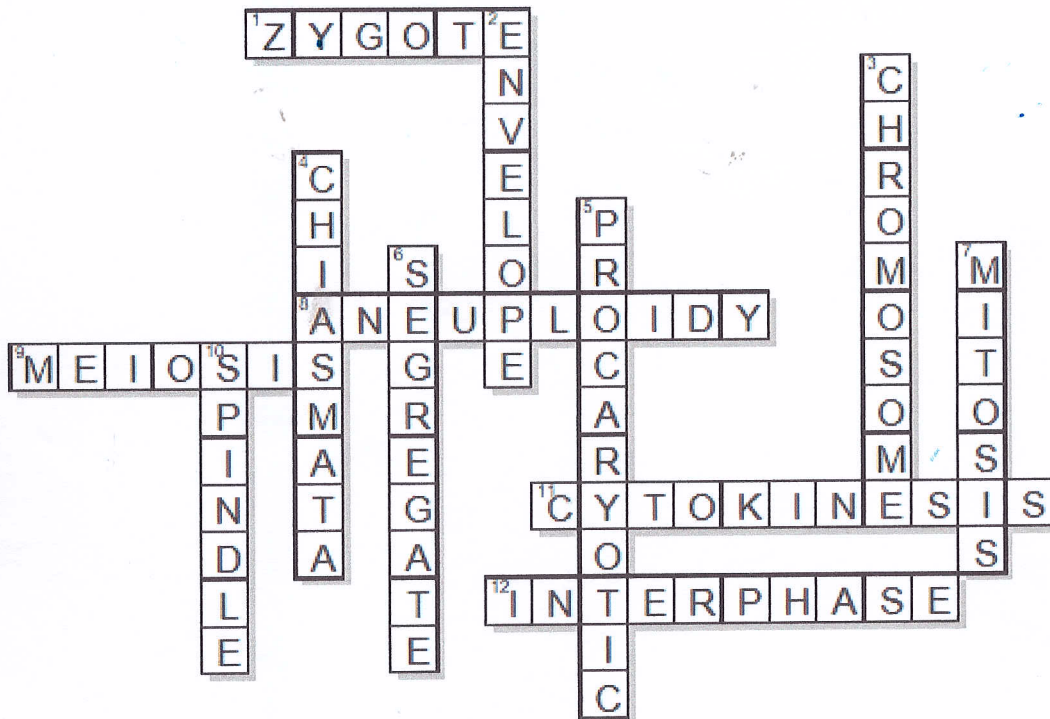


# Mitosis - Meiosis

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## ACROSS

- 1 Gametes can fuse to form a diploid ... that contains two copies of each chromosome, one from each parent.
- 8 Errors in meiosis resulting in ... are the leading known cause of miscarriage and the most frequent genetic cause of developmental disabilities.
- 9 ... is a specialized type of cell division that reduces the chromosome number by half.
- 11 ... is the division of a eukaryotic cell in two daughter cells.
- 12 ... is the phase of the cell cycle in which a typical cell spends most of its life.

## DOWN

- 2 Animal cells undergo an "open" mitosis, where the nuclear ... breaks

down before the chromosomes separate.

- 3 A DNA molecule with part or all of the genetic material of an organism is called:
- 4 A subset of recombination events results in crossovers, which create physical links known as ...
- 5 Mitosis cannot occur in ... cells.
- 6 In most organisms, these links are essential to direct each pair of homologous chromosomes to ... away from each other during Meiosis I.
- 7 ... is the part of the cell cycle when replicated chromosomes are separated into different nuclei.
- 10 During mitosis, the chromosomes, which have already duplicated, condense and attach to ... fibres that pull one copy of each chromosome to opposite sides of the cell.