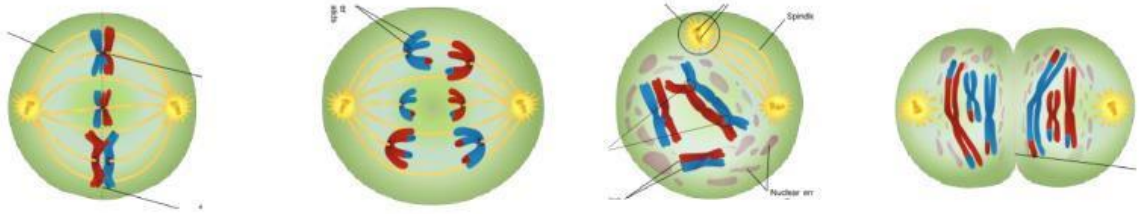
Meiosis – Meiosis I - Crossing over

Success Criteria: Being able to describe and outline the process of crossing over

TASK 1 – *Crossing over occurs at which phase. Tick the correct phase below*



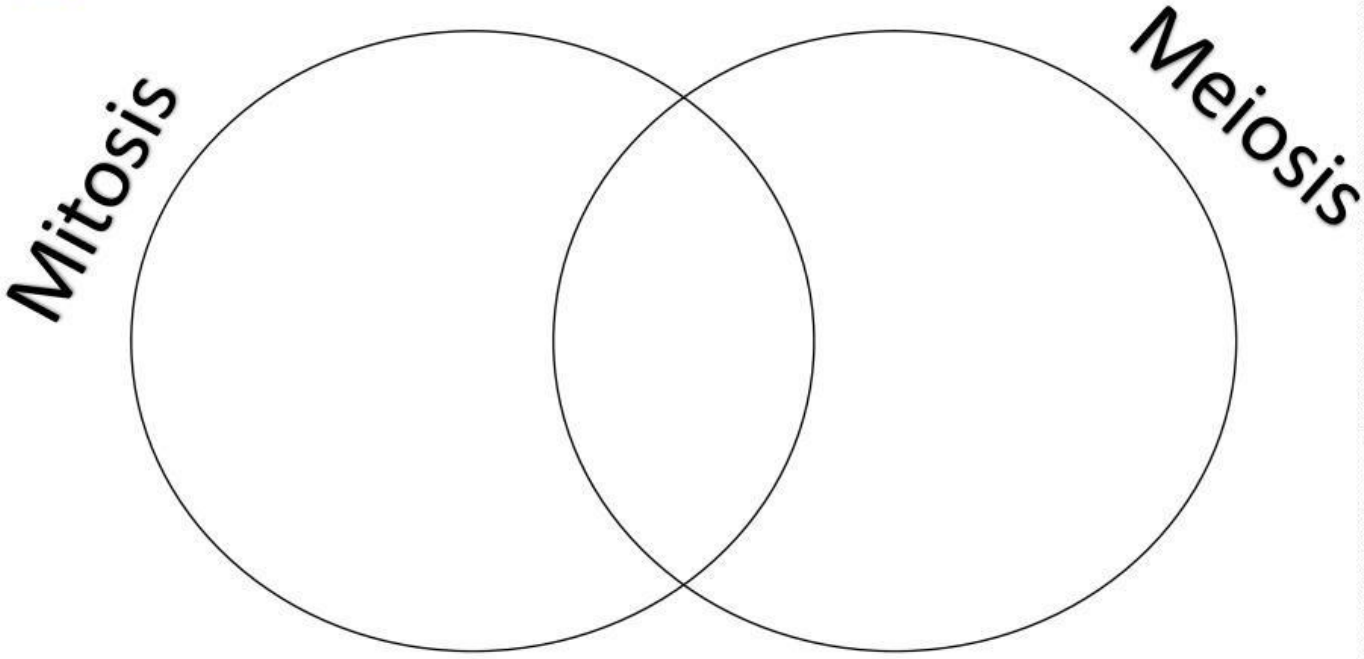
Also, write the name of the phase here _____

TASK 2 – *Fill in the corrects works for the passage below. Word bank below*

Crossing over is when genetic information is swapped between _____. This occurs during _____ where the chromatids overlap with one another. The purpose of crossing over is to increase genetic _____ by creating new _____ of genetic code. Increase genetic diversity is essential to the _____ of a population as it increases chances of survival in an ever-changing environment.

Diversity	Chromosomes	Combinations	Survival	Prophase I

TASK 3 – *Complete the venn diagram that compares Mitosis and Meiosis*



Crossing over occurs	Forms haploid cells
Genetic information division separated in phases	Produces genetically identical cells
Type of cell replication	Start with a diploid cell
Produces "2n" cells	For growth and repair
Produces multiple daughter cells	Forms gametes

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