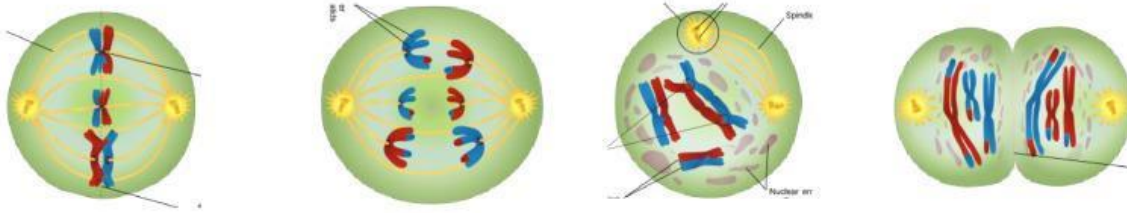


Meiosis – Meiosis I - Crossing over

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



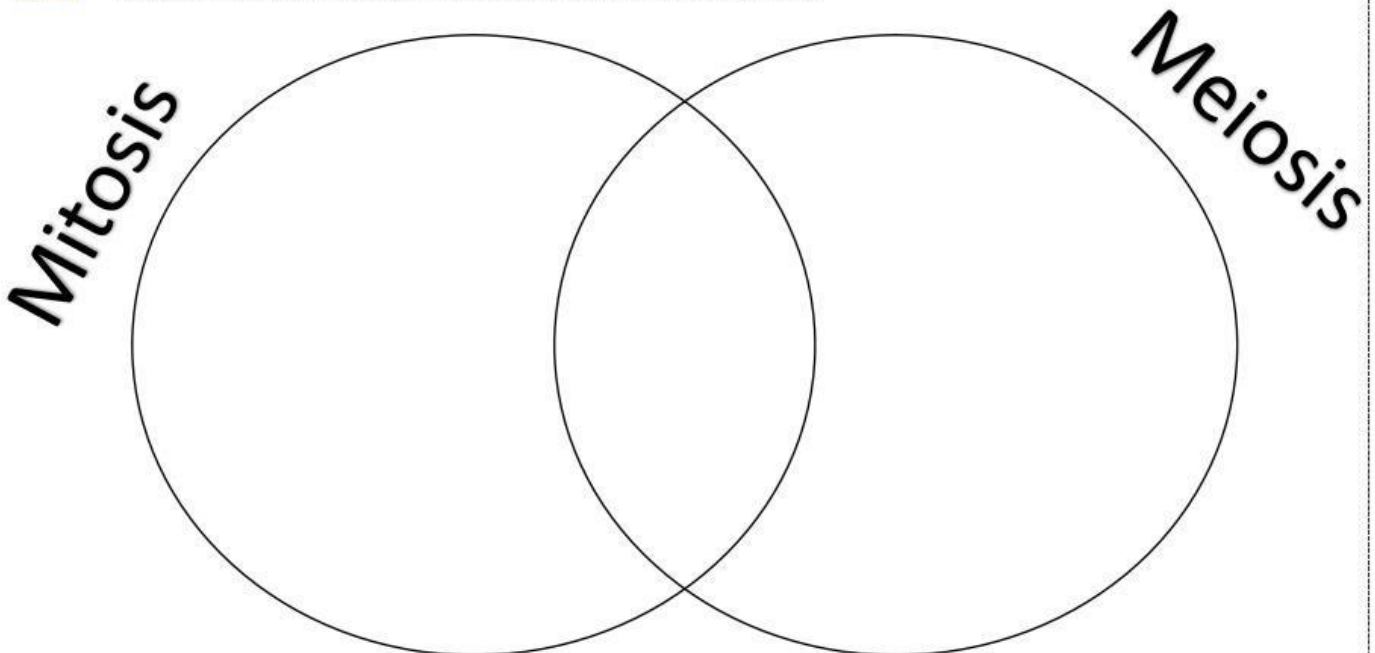
Also, write the name of the phase here _____

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
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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