

# **LIFE SCIENCES - QUICK FIX - PAPER TWO**

## **MEIOSIS**

### **STRUCTURE AND ARRANGEMENT OF CHROMOSOMES IN A NORMAL HUMAN KARYOTYPE.**

- Each chromosome comprises two chromatids✓
- held together by a centromere✓
- There are 23 pairs✓/46 chromosomes in
- human somatic cells✓/body cells
- which are arranged into homologous pairs✓
- that are similar in length✓
- carry genes for the same characteristics✓
- have alleles of a particular gene at the same loci✓and
- have the same centromere position✓
- Each somatic cell has 22 pairs/44 autosomes✓and
- a pair/2 gonosomes✓/sex chromosomes/X and Y chromosomes
- Autosomes are arranged in pairs from largest to smallest✓ in a karyotype
- Males have XY chromosomes✓
- Females have XX chromosomes✓
- The X chromosome is larger than the Y chromosome✓

### **BEHAVIOUR OF THE CHROMOSOMES DURING THE DIFFERENT PHASES OF MEIOSIS I.**

- During prophase✓ I
- chromosomes pair✓up/homologous pairs /bivalents form
- Crossing over✓exchange of genetic material occurs
- between chromatids✓/adjacent chromosome pairs
- During metaphase✓ I of meiosis
- homologous chromosomes✓/chromosome pairs are arranged
- at the equator✓of the cell
- in a random✓ way
- with the chromosome attached to the spindle fibre✓
- During anaphase ✓ I
- chromosome pairs separate✓/chromosomes move to opposite poles
- During telophase ✓ I
- the chromosomes reach the poles of the cell✓

# Life Science Essay For Paper2 Grade11

**Emilie Sanchez**



## **Life Science Essay For Paper2 Grade11:**

## Adopting the Melody of Expression: An Mental Symphony within **Life Science Essay For Paper2 Grade11**

In a world used by monitors and the ceaseless chatter of instant connection, the melodic elegance and emotional symphony created by the written term frequently fade in to the backdrop, eclipsed by the constant noise and disruptions that permeate our lives. However, located within the pages of **Life Science Essay For Paper2 Grade11** a charming fictional value filled with natural emotions, lies an immersive symphony waiting to be embraced. Constructed by an outstanding composer of language, that captivating masterpiece conducts viewers on a psychological trip, well unraveling the hidden melodies and profound affect resonating within each carefully crafted phrase. Within the depths with this poignant assessment, we shall explore the book is key harmonies, analyze its enthralling writing type, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

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