

Gene mutations are changes in the DNA structure while chromosomal aberrations are changes in the chromosome structure or in the number of chromosomes in a homologous pair.

Point and frameshift mutations

Mutations introduce variation

Effect of mutations on natural selection

The effect of mutations in causing altered characteristics leading to diseases/disorders such:

- Albinism – absence of pigmentation
- Haemophilia – absence of blood clotting factors
- Sickle cell anaemia – abnormal red blood corpuscles

Investigation

☐ Conduct surveys and draw bar graphs of incidence of dominant and recessive characteristics amongst learners such as:

Attached(recessive)/unattached ear lobes (dominant)

Rolled (dominant)/unrolled tongue(recessive)

Straight little finger (recessive)/ bent little finger(dominant)

☐ Make interpretations on given karyo-types of organisms

Preview from Notesale.co.uk
Page 3 of 3