

Genes [EXTRA]

- ⇒ Inherited, metabolic diseases caused by failure of body's normal set of chemical reactions:
 - ⇒ Sickle cell anaemia – mutation of beta-globin chain of haemoglobin where the amino acid glutamic acid is replaced with the hydrophobic amino acid valine. This promotes polymerisation of haemoglobin altering shape and elasticity of molecule.
 - ⇒ Cystic fibrosis – recessive hereditary disease causing an over-production of mucus.

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Page 4 of 4