

Human Biology Summer Work

Welcome to human biology. You will be working on the genetics unit this Autumn. In this unit you will learn about the structure of DNA and how proteins are made. You will then use this knowledge to understand possible treatments through genetic engineering and how medical teams offer support.

Task 1

Huntington's Disease Mini Assignment

Watch these videos on Huntington's Disease

▶ What is Huntington's disease?

▶ Huntington's Disease, Genetics, Pathology and Symptoms, Animation

Which gene is involved in Huntington's? What has happened to the gene?

What are the symptoms of Huntington's disease?

Complete the punnett square for this disorder where a father is heterozygous for Huntington's. The mother is homozygous recessive (healthy).

Key

H = Huntington's

h = healthy

What proportion of the children will have Huntington's?

If Huntington's is a dominant disorder which causes death and up until recently had no treatment. Why does it still exist?

Watch this video

 [Huntington's disease successfully treated for first time | BBC News](#)

What impact did this treatment have?

What type of treatment is featured in this article?