Tobermory High School

Standard Grade Biology Biotechnology

3. Reprogramming Microbes. At the end of this topic you should know:	Checklist	Grade
(a) that the normal control of bacterial activity depends on its chromosomal material.		General
(b) and explain genetic engineering in terms of manipulation of chromosomal material.		Credit
(c) that pieces of chromosome can be transferred from a difference organism and so allow bacteria to make new substances, and as result may produce increased quantities of products and speed processes.	sa 📙	General
(d) some of the advantages of genetic engineering, compared verselective breeding in producing new genotypes to create the best organism for a particular function.		Credit
(e) some examples of the products of genetic engineering and the applications.	neir	General
(f) and explain the ever increasing need for insulin produced by biotechnology.		Credit
(g) that 'biological' detergents contain enzymes produced by bac and explain the action of 'biological ' detergents in terms of dige by enzymes.		General
(h) describe the advantages of using the low temperature enzymeactions of biological detergents.	ne 🗌	Credit
(i) that an antibiotic is a chemical which prevents growth of micro-organisms, and explain why a range of antibiotics is need in the treatment of bacterial diseases.	ed	General
(j) the advantage of using immobilisation techniques.		General
(k) how continuous flow processing is allowed by using immobiliand the advantages this has over batch processing.	sation	Credit
Homework		
End of Topic Test		