Home tasks 2

1. Describe techniques create recombinant DNA
2. Show examples of sexual reproduction: natural
3. Give practical examples of selective breeding
4. Describe the process of hybridization
5. Describe the gene splicing
6. Show practical applications recombinant DNA technology
7. Show examples of genetically modified microorganisms
8. Howto use the restriction enzymes to make recombinant DNA
9. Describe the protocol of preparation of vector DNA
10. Describe *the main principles of choice of host organism*
11. For what purpose the vector is used?
12. What is a human artificial chromosome
13. Give practical examples of a bacterial artificial chromosome
14. Describe using bacteriophage
15. What is a cosmid
16. Give practical examples of yeast artificial chromosomes (YACs)
17. Give practical examples of use of plasmids
18. How to choice the host cells for replication of recombinant DNA
19. What is genetic engineering