

Exam 4 Possible Essays

1. Explain the genetic nature of male infertility. Describe how infertility in women can also be caused by uterine tubes, the uterus or the vagina/cervix.
2. Describe the kinds of applications is Polymerase Chain Reaction (PCR) is good for. List the basic steps of PCR. Indicate the potential problem with PCR that can lead to a false result.
3. Explain Mendel's Law of Independent Assortment and Mendel's Law of Segregation. In which phase of meiosis do each of these occur in the making of gametes?
4. Define each of the following modes of inheritance: incomplete dominance, sex-linked, codominance, multiple allele systems, polygenic and pleiotropic.