

Turnpenny: Emery's Elements of Medical Genetics, 14th Edition

Chapter 01: The History and Impact of Genetics in Medicine

Test Bank

Multiple Choice

1. Which of the following causes deviations from the law of independent assortment?

- A. The genes of interest are on the same chromosome
- B. The genes of interest are linked
- C. Homologous recombination between genes
- D. Nonhomologous recombination
- E. Nondisjunction

ANS: B

2. Which of the following is generally true for genetic diseases?

- A. The incidence is less than the prevalence
- B. The incidence is greater than the prevalence
- C. The incidence equals the prevalence

ANS: B

3. Which of the following can be used to determine the potential genotypes of offspring from a simple Mendelian cross?

- A. Punnett square
- B. Hardy-Weinberg equilibrium
- C. Bayesian analysis
- D. Law of independent assortment
- E. Rules of probability

ANS: A