

High School Genealogy & Genetic History

Genealogy · Answer Key · 5 Questions

1. In the Ahnentafel genealogical numbering system, if a target individual (proband) is assigned the number 1, what number is assigned to that individual's maternal grandfather?

- A) 4
- B) 5
- C) 6**
- D) 7

2. Which genetic material is inherited exclusively along the strict maternal line, making it vital for tracing deep ancestral female lineages?

- A) Autosomal DNA
- B) Y-chromosomal DNA
- C) Mitochondrial DNA**
- D) X-chromosomal DNA

3. What unit of measurement is used in genetic genealogy to estimate the genetic distance and probability of recombination between loci on a chromosome?

- A) Base pair (bp)
- B) CentiMorgan (cM)**
- C) Kilobase (kb)
- D) Micron (μm)

4. Which phenomenon occurs when intermarriage between relatives reduces the actual number of unique ancestors a person has compared to the theoretical maximum?

- A) Pedigree collapse**
- B) Genetic drift
- C) Endogamous speciation
- D) Lineage mutation

5. In 1538, Thomas Cromwell issued an injunction requiring every parish in which country to systematically record baptisms, marriages, and burials?

- A) France
- B) Scotland
- C) England**
- D) Spain