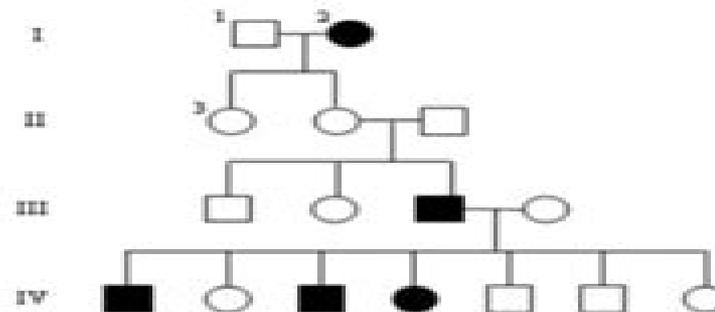


## Interpreting a Human Pedigree

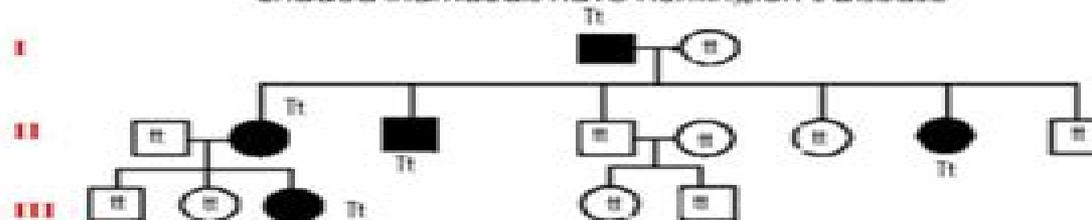
Use the pedigree below to answer 1-5



- In a pedigree, a square represents a male, if it is darkened he has hemophilia; if clear, he had normal blood clotting.
  - How many males are there? **8**
  - How many males have hemophilia? **3**
- A circle represents a female, if it is darkened, she has hemophilia; if open she is normal.
  - How many female are there? **8**
  - How many females have hemophilia? **2**
- A marriage is indicated by a horizontal line connecting a circle to a square.
  - How many marriages are there? **3**
- A line perpendicular to a marriage line indicates the offspring. If the line ends with either a circle or a square, the couple had only one child. However, if the line is connected to another horizontal line, then several children were produced, each indicated by a short vertical line connected to the horizontal line. The first child born appears to the left and the last born to the right.
  - How many children did the first couple (couple in row I) have? **2**
  - How many children did the third couple (couple in row III) have? **7**
- Level I represent the first generation, level II represents the second generation.
  - How many generations are there? **4**
  - How many members are there in the fourth generation? **7**

Use the pedigree below to answer 6-12

Shaded individuals have Huntington's Disease



Individuals are numbered for each generation right to left...they are denoted with their generation and their number. See #7 for example.

- Write the generation on the pedigree numbers (roman numerals).
- Which members of the family above are afflicted with Huntington's Disease? **I-1, II-2, II-3, II-7, III-3**
- There are no carriers for Huntington's Disease- you either have it or you don't.  
With this in mind, is Huntington's disease caused by a dominant or recessive trait? **dominant**
- How many children did individuals I-1 and I-2 have? **6**

# Chapter 4 Pedigree Analysis In Human Genetics Answers

**Karin Nielsen-Saines**



## **Chapter 4 Pedigree Analysis In Human Genetics Answers:**

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In an electronic era where connections and knowledge reign supreme, the enchanting power of language has are more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Chapter 4 Pedigree Analysis In Human Genetics Answers**," published by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we will delve in to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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web oct 29 2023 klasifikasi pteridophyta tumbuhan paku berdasarkan jenis sporanya tumbuhan paku ini dapat dibedakan menjadi 3 kelompok yakni a paku homospora paku homospora merupakan tumbuhan paku yang dapat menghasilkan spora yang mempunyai jenis kelamin serta ukuran sama tidak dapat dibedakan antara spora jantang maupun

**panduan praktikum pteridophyta mata kuliah botany cryptogamae - Feb 15 2023**

web pteridophyta diambil dari kata pteron yang berarti sayap bulu dan phyta yang berarti tumbuhan di indonesia tumbuhan ini lebih dikenal sebagai tumbuhan paku sesuai dengan artinya pteridophyta mempunyai susunan daun yang umumnya membentuk bangun sayap menyirip dan pada bagian pucuk terdapat bulu bulu

*pteridophyta ciri ciri daur hidup dan klasifikasi pratama blog - Jan 14 2023*

web sep 19 2020 klasifikasi pteridophyta klasifikasi pteridophyta dibedakan atas empat divisi yaitu sebagai berikut divisi psilotophyta merupakan divisi yang paling primitif mereka tidak memiliki akar dan daun sejati peran akar pada psilotophyta digantikan oleh rizoid yang tumbuh pada rizom contohnya psilotum

**materi kingdom plantae pengertian ciri klasifikasi plantae - May 06 2022**

web klasifikasi jenis kingdom plantae filum pteridophyta tumbuhan paku filum bryophyta tumbuhan lumut filum spermatophyta tumbuhan berbiji manfaat kingdom plantae kategori ilmu biologi materi biologi kelas x buku soal plantae di gramedia

klasifikasi pteridophyta ciri jenis dan manfaatnya sebagai - Oct 11 2022

web feb 7 2023 pteridophyta adalah klasifikasi dari tanaman paku simak ciri jenis dan manfaatnya dalam artikel berikut ini tumbuhan paku dapat dikenali dari daunnya yang rimbun dan mudah ditemukan pada wilayah beriklim sejuk tumbuhan paku yang hidup pada masa kini merupakan keturunan dari paku purba

**klasifikasi tumbuhan paku pengertian ciri habitatnya - Jul 20 2023**

web nov 3 2023 klasifikasi tumbuhan paku dibagi menjadi 4 subdivisi yaitu psilopsida lycophyta sphenophyta dan pterophyta paku purba psilopsida tumbuhan paku purba yang masih hidup saat ini diperkirakan hanya tinggal 10 spesies sampai 13 spesies dari dua genus paku purba hidup di daerah tropis dan subtropis