

ZAMANI COLLEGE KADUNA

STUDY PACK- BASIC SCIENCE JS 3 TERM 1 2014-2015

TOPIC: FAMILY TRAITS (GENETICS)

Write concise notes on family traits (Genetics) using the following guidelines as headings.

1. Define the following terms:
  - Genetics
  - Gene
  - Hereditary
2. a. What is family trait?  
b. Name **five** family traits.
3. a. Differentiate between dominant and recessive traits and give **two** examples for each.  
b. In tabular form give the dominant and recessive forms for the following characters.

Character	Dominant	Recessive
Tongue		
Eye colour		
Colour vision		
Hand		
Hair		
Cheek		
Lips		

4. Explain **four** reasons why family traits are important.
5. Draw your family genealogy using a family tree (pedigree chart) starting from your grandparents' generation.

**Reference:** *Progress in Basic Science* Book 3 pages 9-13.

**Evaluation questions**

Answer all the questions in sections A-D of pages 5-7 of your workbook: *Progress in Basic Science workbook 3*.

**Note:** Answers should be sent in **MS word format to the school email** while all drawings should be submitted to the school administrative office directly. However, where students wish to submit all study pack answers in written forms, it will be also accepted.