

Students, we are now in Term/Quarter 2, so you now should know effective ways to study, since I taught them to you last term. These include:

- reading & annotating my notes,
- making a condensed outline of my notes and the ones you took in class,
- memorizing terms/concepts with flashcards or Quizlet
- drawing diagrams of parts/forms & how they function in processes for a purpose
- practice writing an explanation of the processes with their parts & their purpose

ALSO, YOU WILL NOT HAVE A WORD BANK FOR THE VOCAB.

The following terms will be assessed in a Fill in the blank format with **NO** word bank:

Carrier	Pedigree
Diet	Phenotypes
Environment	Multiple Alleles
Multiple	X Chromosome

The following questions will be in a Multiple Choice and/or discussion:

1. What are multiple **alleles**? Be able to explain where the different alleles come from.
2. What blood type shows that A and B are **codominant**? Be able to explain which allele for blood type is recessive.
3. What is the blood type of a person with the genotype AB, or BB, or AO, or BO?
4. Which human trait did we discuss that is an example of one which could be altered by variations in **environment**? Be able to explain how the environment could alter that human trait.
5. Which combination of sex chromosomes results in a **male** human being? Which makes a female? Be able to explain why it is the Father's sex cell (sperm) that determines the gender of the baby.
6. Where are **Sex-linked** genes found? Are they on the X or the Y chromosomes?
7. Why are sex-linked traits more common in **males** than in females?
8. When a person is called a "**carrier**", what does that mean? Be able to explain why a carrier does NOT have the genetic disorder.
9. What is a pedigree and **HOW** are pedigrees used in science?
10. On a pedigree chart, how are males represented?
11. When two people have exactly the same DNA, they are called? Be able to explain why these two people would have the same physical appearance, but NOT have the same personality as they grew up toward adulthood.

Be able to spell correctly the chemical name for DNA (NOT a bonus. As part of the actual quiz)