

Assignment — 01

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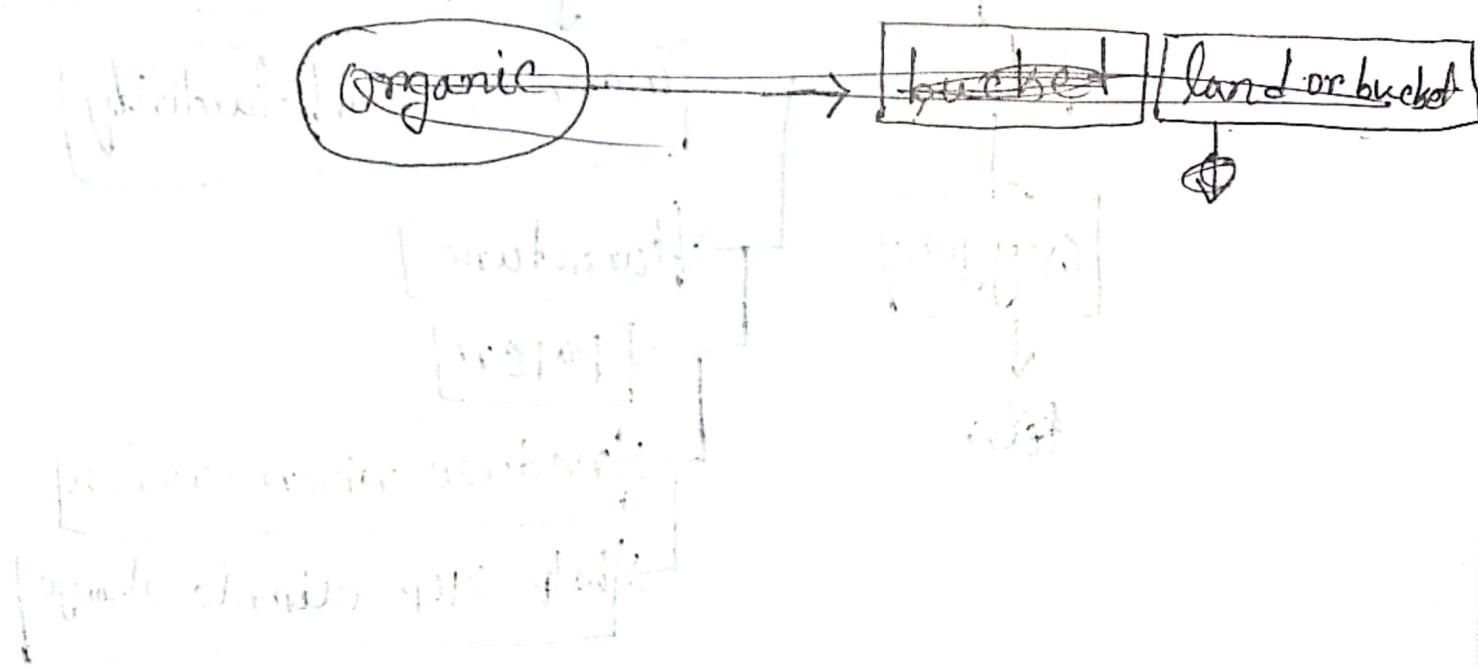
①

project name: Organic fertilizer

Organic fertilizer are made from mixed rock minerals, and natural plant and animal materials.

Materials need:-

- ① Green land or large bucket.
- ② Organic (leaves, fruits, vegetables, manure etc)
- ③ Soil
- ④ small poultry farm (if have)



Fertilizers

land on bucket

Plant Tree

soil

Organic

fruits vegetables

organic fertilizer

recycling

Save environment from
being destroyed

increase soil fertility

tree

oxygen

furniture

paper

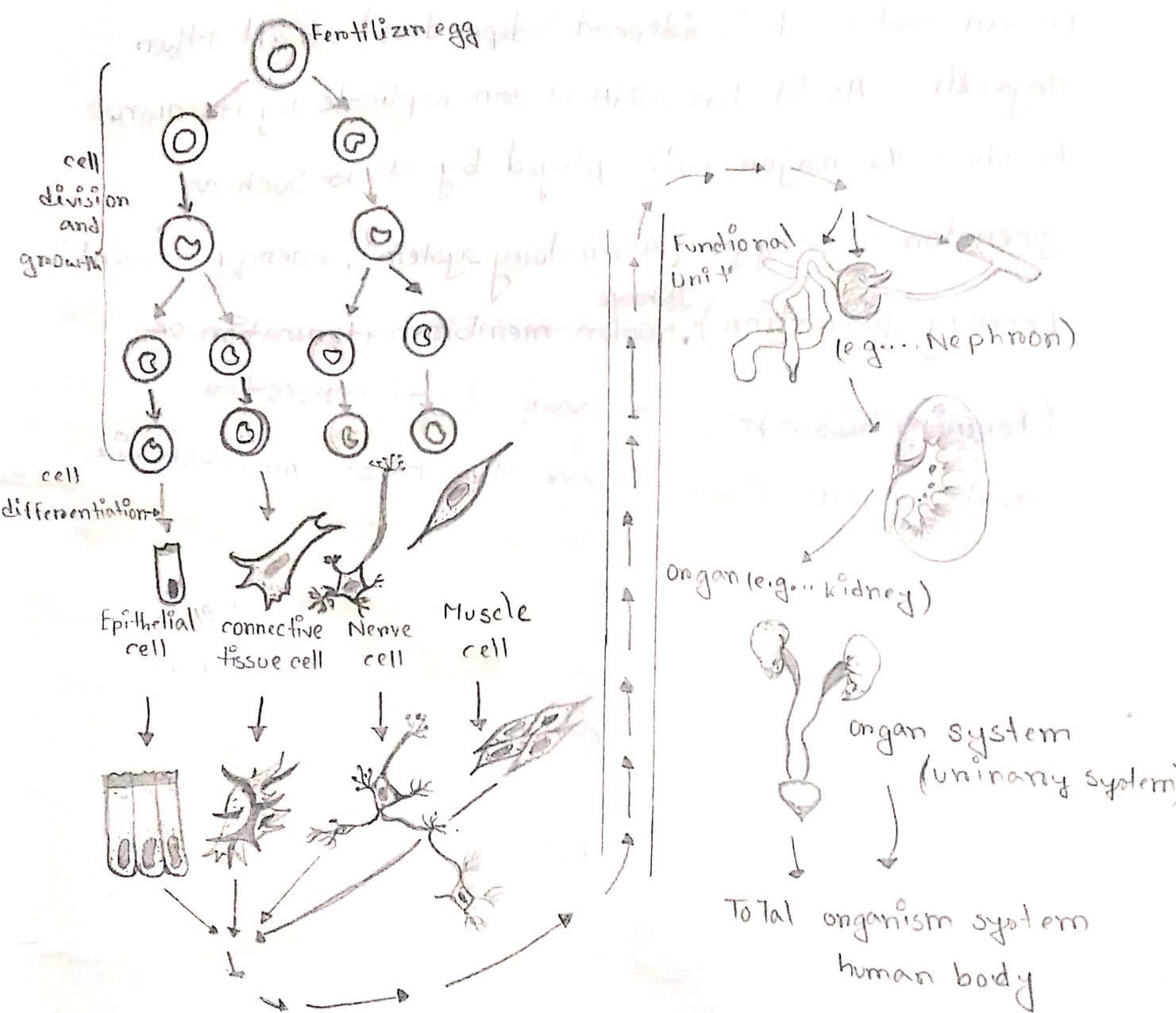
reduce river erosion

help stop climate change

Benefits of using Organic Fertilizer:-

- + Provide the best vitamins for accelerated plant growth. Chemical fertilizers are far more delicate.
- + Chemical fertilizers are much harsher.
- + It is less likely that you will overfeed your plants.
- + Plants do not absorb it right away.
- + Can resist strong rainstorms and irrigation sessions that would wash chemical fertilizer away.

2/ more difficult & hard communication between cells



The cellular system OR basic features of life

The first characteristics of life we listed was cellular system. This simply means that living things are made of cells. Cells are the most basic unit of life. It doesn't matter if those cells are plant, animals, fungi or bacteria. If something is going to be alive, it must be made of cells. Now such as human body for reproduction system a female egg produce a single cell. After 30 hours or so, it divides from one cell into two cell, and two into four. During the first 8 or 9 days after conception, the cells that will eventually form the embryo continue to divide, like that process many multiple type of cell produce. Then from cell organism produce such as nephron, kidney and urinary etc. That's the human basic feature of life.

(b)

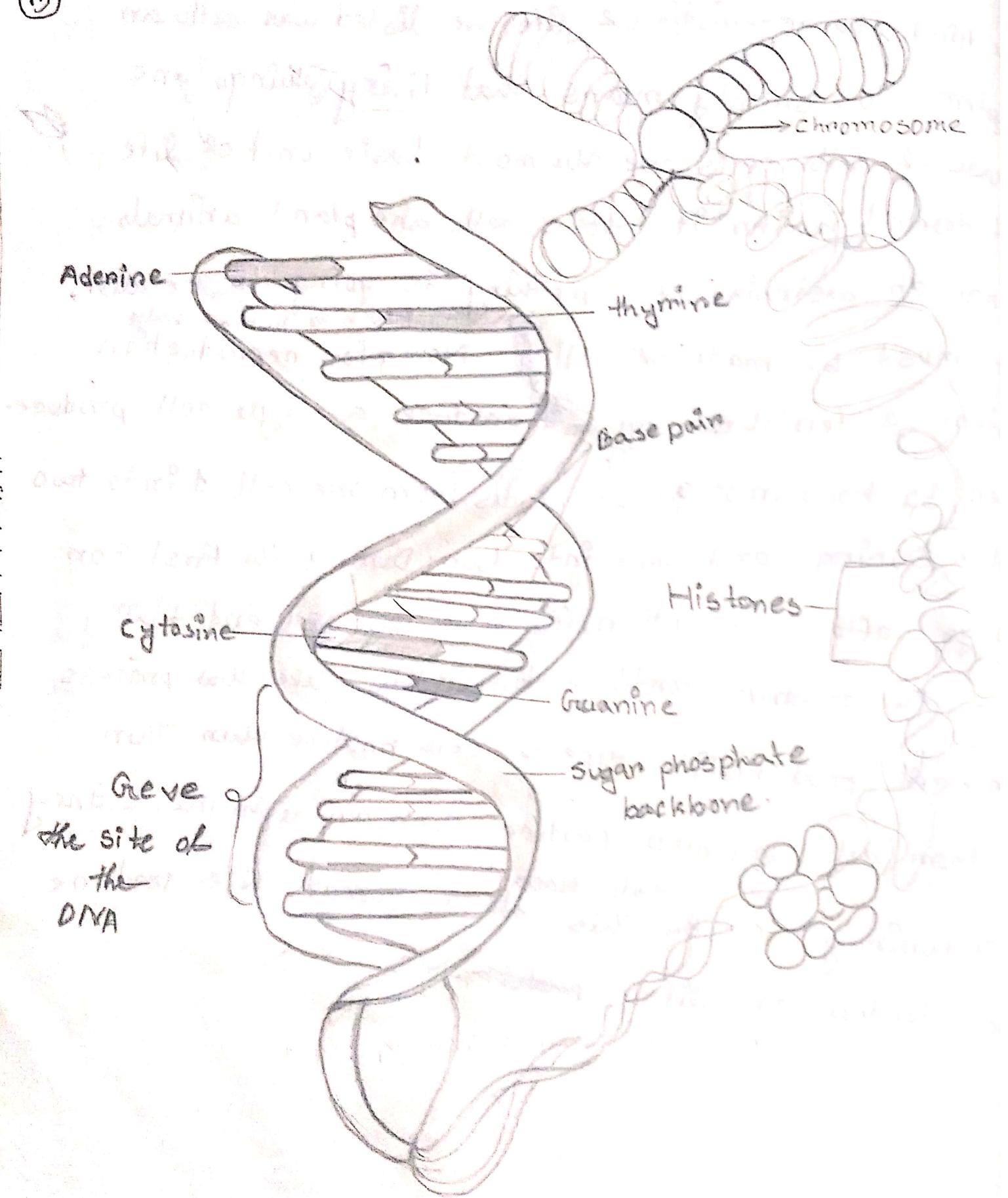


Fig: DNA: Deoxyribonucleic acid

Our body structure resembles with our grandfather and it's because of DNA or RNA structure.

Suppose if we search about why DNA then answers will get our DNA means Deoxyribo Nucleic Acid. DNA acts as a blueprint or receipt for living things. DNA have acids called amino acid. Amino acids produce proteins. Living cells are made up of protein and other chemicals.

Muscle tissue is a type of cells.

This Tissue is also make up organs. Organs of course, work together and combine to make living things.

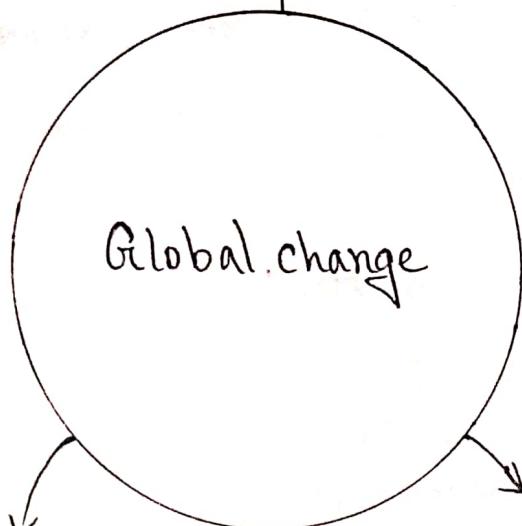
As an example suppose, we get half of DNA from our father then my father also get half from his father

same time. Extinction of this scale usually necessitates a global environmental disaster that is so severe and swift that species are unable to evolve and instead perish.

DNA contains genes, the building blocks of all organisms. DNA is the repository of hereditary information. DNA must be copied when new cells are formed, when genetic material is passed from parents to offspring, and when coding for RNA to make proteins.

DNA and RNA hold all that data and execute it on cells which later it have to adapt to the changes in nature. And because of this changes in the nature of adaptation, DNA changes during reproduction. It makes DNA by combines of parents DNA. This includes adaptation and mutation. Dinosaurs were live for long times but they hatched ~~baby~~ baby less. At that time nature were having a rapid changes

The evolution and extinction



Adaptation

Mutation

- ☒ genetic inbreeding
- ☒ less reproduction
- ☒ decline in population.

and end up with dinosaurs extinction.

transpire
to

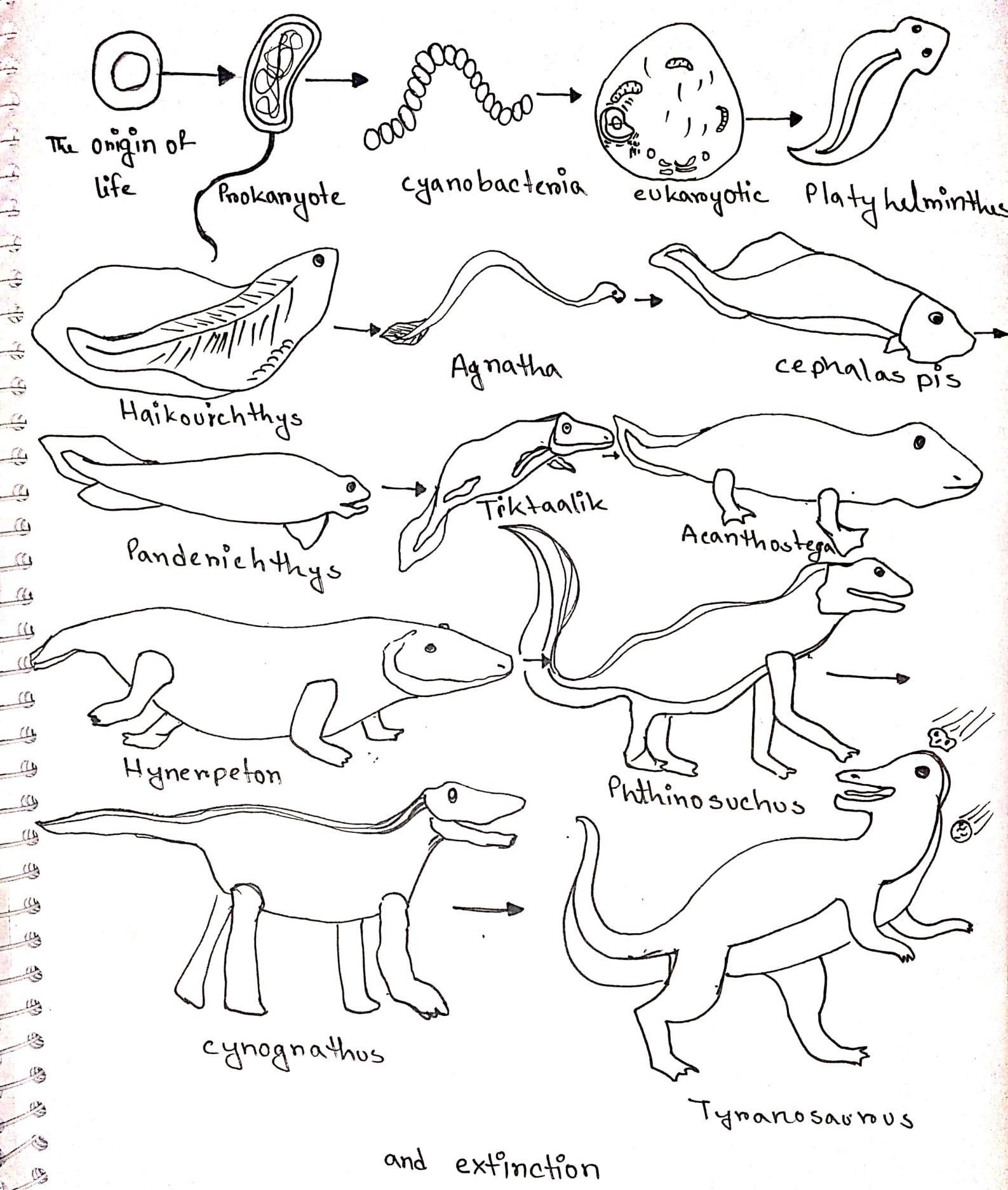
Hydrogen
single bond

T A C G

OF DNA

evolution
affected
By

- less reproduction
- Adaptation failure.



and extinction

④

Millions of years ago, ~~long~~ ~~Dino~~ Dinosaurs existed long before human existed. Dinosaurs were a type of prehistoric reptile that existed during the Mesozoic Era, sometimes known as the "Age of Reptiles."

Dinosaurs emerged from other reptiles over 230 million years ago during Triassic Period. Dinosaurs appeared shortly after the Permian extinction, which was the world's largest mass extinction event. Mammals evolved during this time as well.

It was a life-altering event. An asteroid struck the Earth around 66 million years ago, near the end of the ~~area~~ Cretaceous period, causing a mass extinction that wiped out the dinosaurs and around 75% of all life.

Mass extinction is

The most striking pattern in the fossil record is probably mass extinction. Species - even entire families - are rapidly disappearing all over the world at the

and then the equation will have fourth
from my grandfather.

Genes are the recurring elements of
a person's genetic material, which comprises
DNA and possibly RNA. The gene is a
fragment of DNA that codes for proteins
and is unique to each individual. Genes
are passed down in an equal proportion
from one generation to the next. This is passed
down through the generations, as our parents
pass down their genes to us. This procedure
does not result in the loss of
any genes. Rather, it develops new
combinations, which bring variation, but, if
an individual receives the same genes
as his grandfather, he or she will be
identical to him.

but they have a huge lifespan. The new generation is born with a change on it. Meanwhile longevity of dinosaurs is annihilated for adaptation and mutation.

The percentage of DNA琨 increases the longer the leaves and root system grows and therefore along with time we can see more and more trees. This tree is also known as megadid. It stores much energy in its leaves which is used by the plants for their food. The old and the new DNA琨 will be broken off eventually which is the most typical and the second best method of organizing genetic material. When the old DNA琨 is removed the new DNA琨 is used to make the plant grow. This is called the self-repair mechanism without any help from the environment. This is how the plant grows a new plant. The new plant is