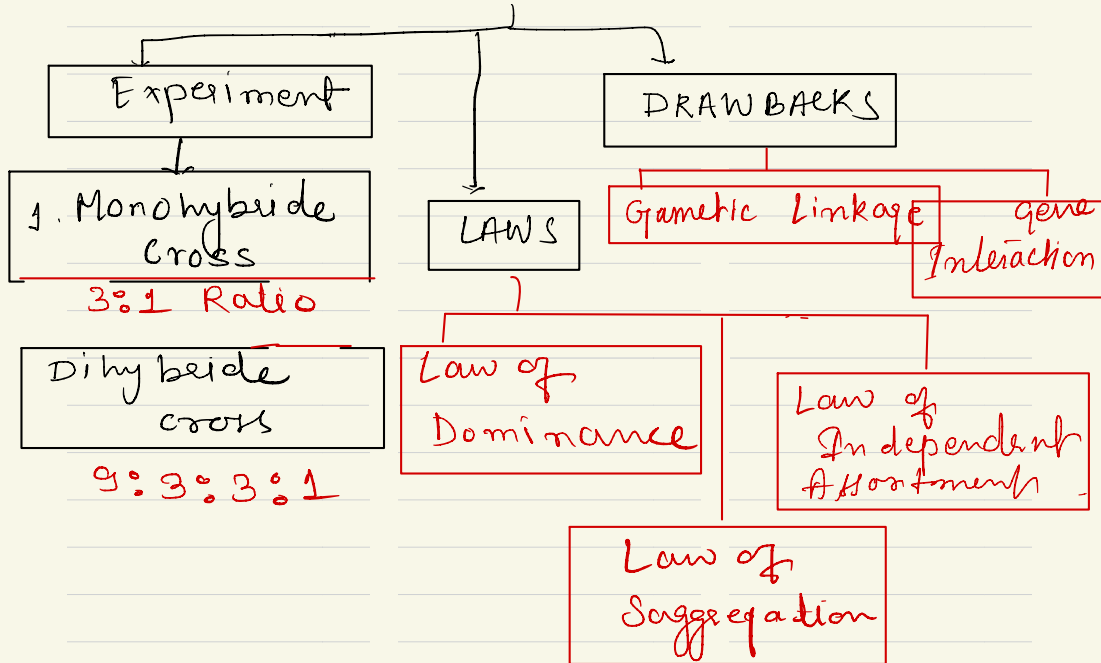
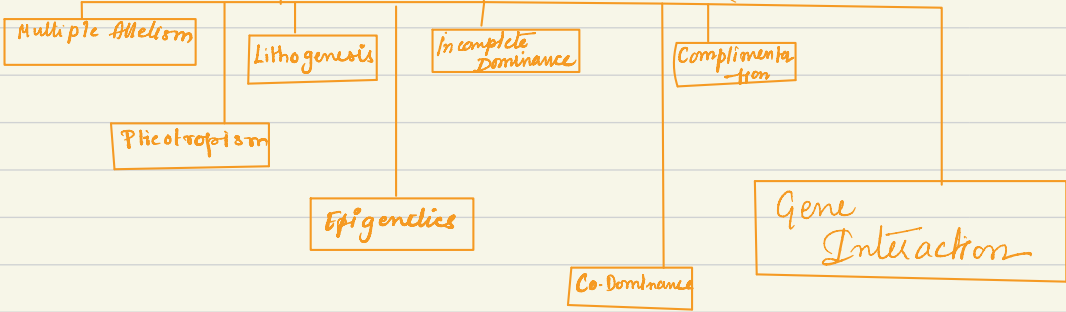


GENETICS MINDMAP

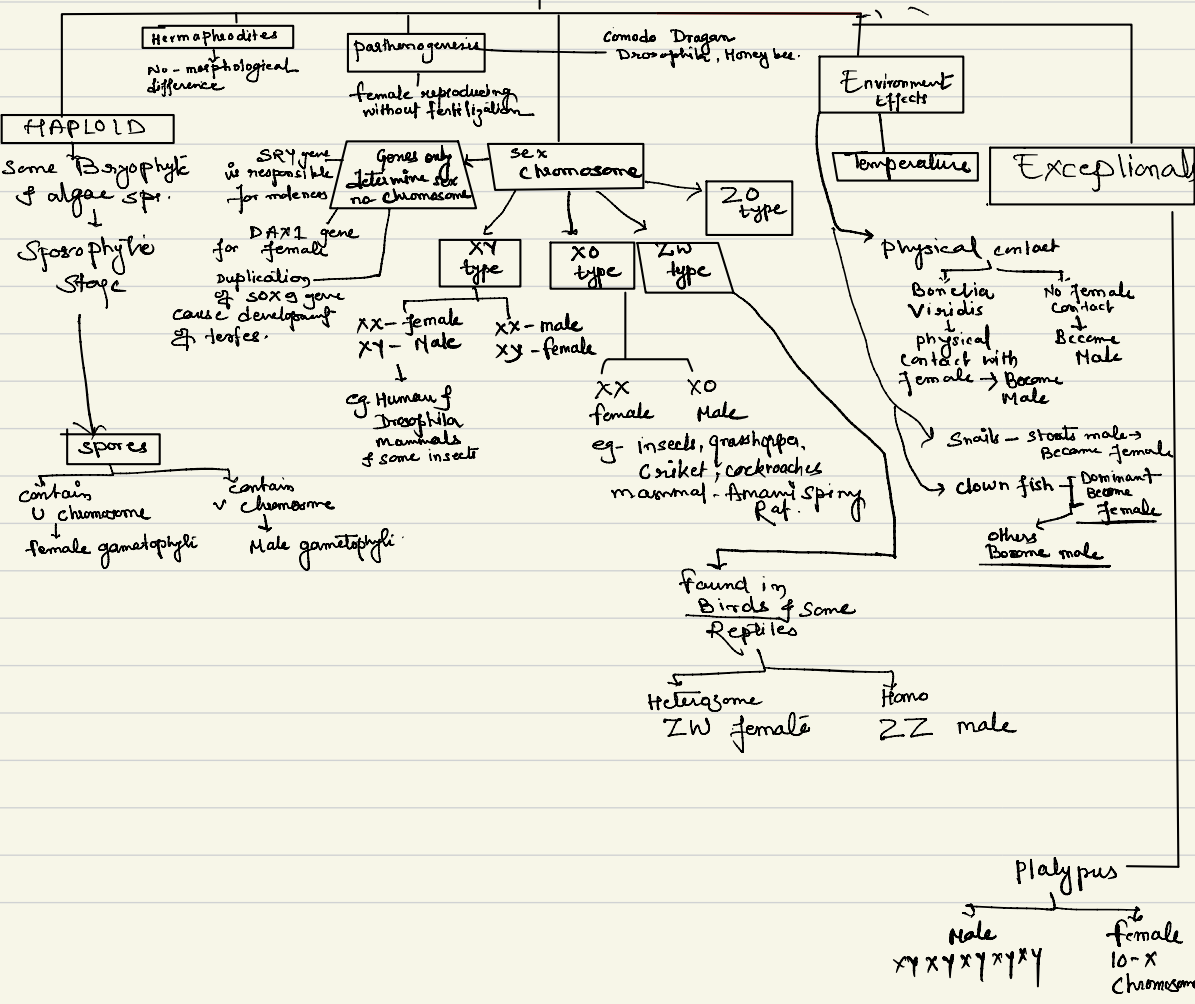
MENDALISM



Neo - Mendelism



SEX DETERMINATION

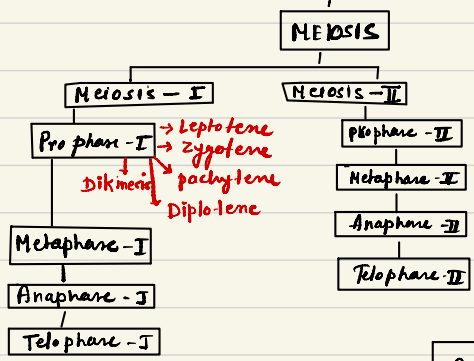
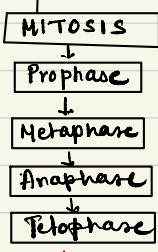


Occurs in undifferentiated cell, Meristematic tissues, zygotic cells etc.

Non Dividing cell

CELL DIVISION

- 1. Differentiated cells.
- 2. Nerve cells
- 3. Mature R.B.C
- 4. Virus in Env.



* **ENDOMITOSIS** → Division of chromosome without nuclear division results in formation of giant chromosome eg. Polytene chromosome

Cell Cycle

Phases

Interphase

Division phase - M-phase

G₁
↓
growth of cell

S
↓
DNA Replication

G₂
↓
preparation for M-phase

G₀ - stem cell, nerve cells

Regulation

CHECK POINTS

G₁ C.P., G₂ C.P., Anaphase C.P.

* Failure of cell cycle control due to any factors (Biological, Physical or chemical) may result into uncontrolled cell division - Tamed as **CANCER**