

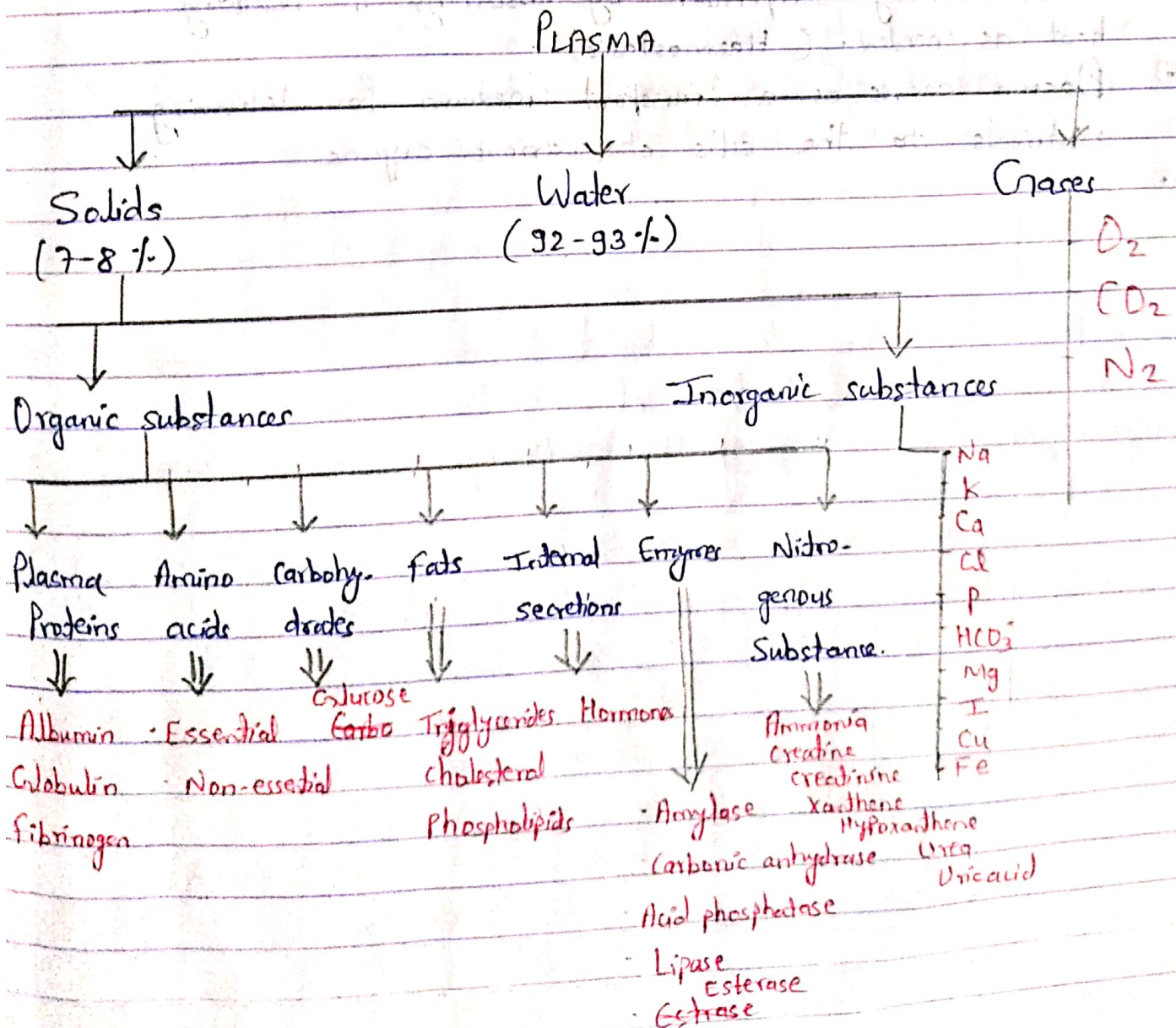
# PLASMA

Blood contains the blood cells which are called formed elements and the liquid portion known as 'Plasma'.

Blood is mainly composed of 55% of liquid portion that is plasma & 45% of blood cells in which there is 99% RBC,

1% WBC & Platelets.

- Plasma is a straw-coloured clear liquid part of blood.
- It contains 91-92% of water & 8-9% solids.
- Density of Plasma -  $1.025 \text{ kg/m}^3$  OR  $1.025 \text{ g/ml}$ .



So, Plasma consist of water, <sup>crases</sup> proteins & other solutes & some

There are three types of proteins in plasma -

1. Albumin - Maintains blood volume & Pressure. (Oncotic Pressure)
2. fibrinogen - Important clotting factor.
3. Globulin - Acting as an Antibody. (Gamma Globulin).  
(Immunoglobins) - Body fight off infection.

Function of Plasma :-

- ① Removal of waste from cellular functions.
- ② Maintain body temperature by absorbing & releasing heat as needed. (Haemostatic).
- ③ Plasma serves as a transport medium for delivering nutrients to the cells of various organs.