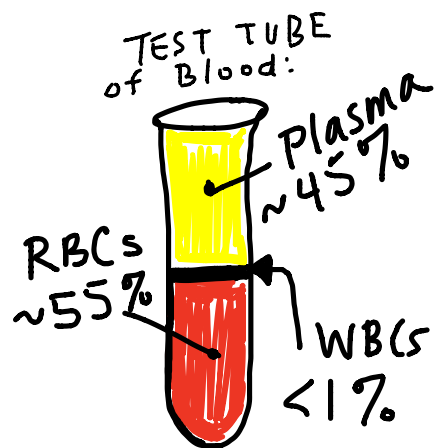


The Circulatory System

Includes: BLOOD (fluid)
HEART (pump)
VESSELS (tubes)

Components (Parts!) of Blood: → "red" → "cell"

- Solids
- 1) Red Blood Cells (RBC) = Erythrocyte
 - 2) White Blood Cells (WBC)
= Leukocyte
"white" "cell"
 - 3) Platelets = Thrombocytes
"clot"
 - 4) Plasma = fluid/liquid portion of blood



Functions of Blood

1. Transport substances (RBCs) ← structure!
 - Oxygen (O_2) to ALL cells of body
 - CO_2 + other wastes
 - nutrients
 - hormones + enzymes

2. Defend against PATHOGENS

Pathogen = substance that causes disease
("Patho" = disease, "gen" = substance that causes)

Structures: WBCs and Antibodies
↳ in plasma

3. Restrict blood loss

Blood clots - on skin surface called
a SCAB.

Structures: Platelets & Fibrinogens
↳ in plasma

4. Carries the solid blood substances, and regulates body temperature.

- Plasma is mostly H_2O , and H_2O
is very good at "holding" HEAT
for long periods.

