

# ***HEMATOLOGY NOTES***

## ***I. BLOOD FACTS***

***FUNCTION***

***COMPOSITION***

***2 TYPES OF BLOOD CELLS***

## ***II. HEMATOCRIT***

***NORMAL VALUES:***

***ADULT MALES:***

***ADULT WOMEN:***

## ***LOW HEMATOCRIT VALUES***

## ***HIGH HEMATOCRIT VALUES***

### ***III. BLOOD DOPING***

### ***IV. PLASMA***

#### ***COMPOSITION OF PLASMA***

##### ***PROTEINS:***

***A. ALBUMIN***

***B. GLOBULINS***

***C. FIBRINOGEN***

## ***V. FORMED ELEMENTS***

### ***1. ERYTHROCYTES***

#### ***HEMOGLOBIN***

### ***2. LEUKOCYTES***

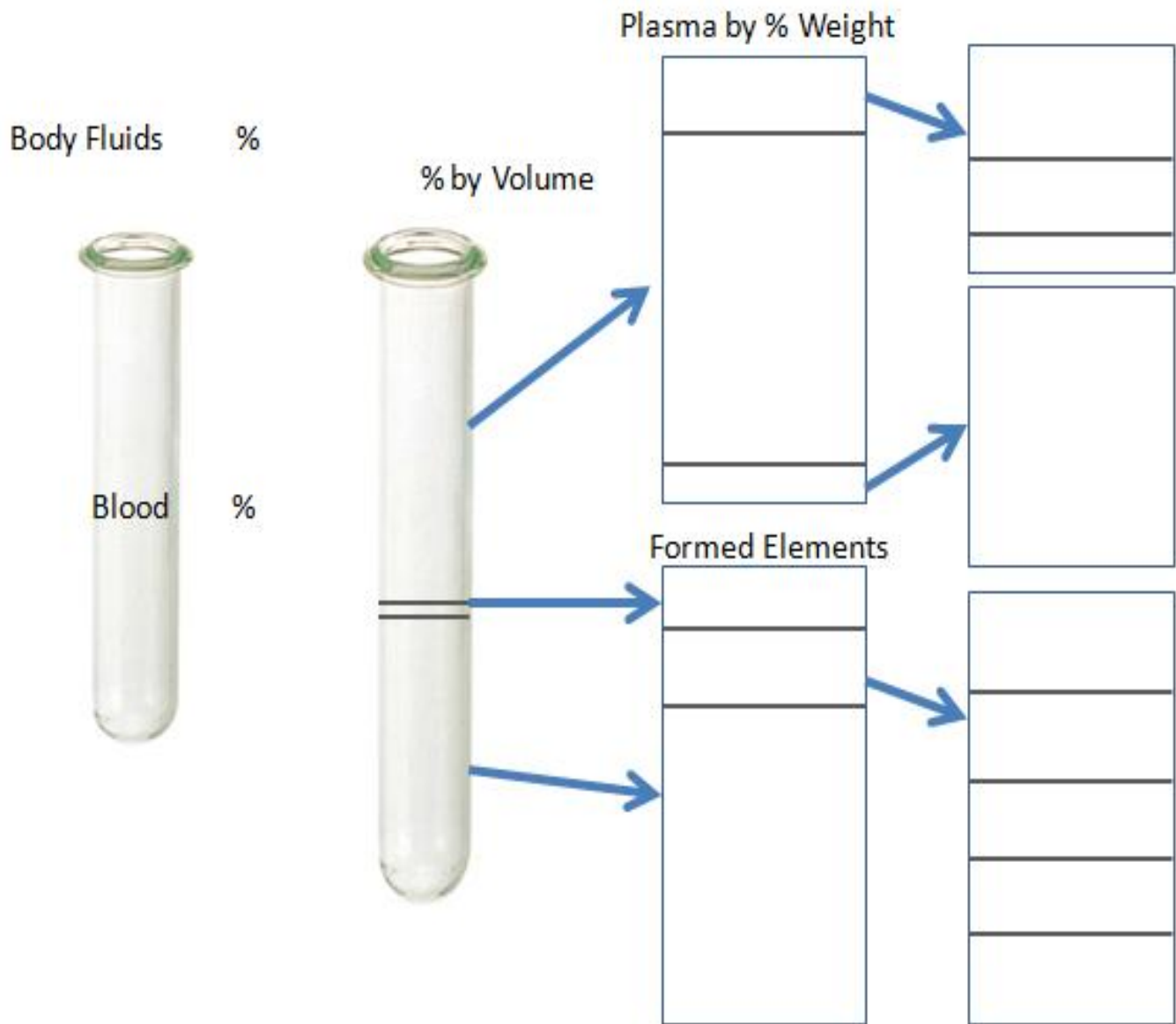
### ***3. THROMBOCYTES***

## ***VI. HEMOSTASIS***

## ***VII. HEMOPOIESIS***

### ***ERYTHROPOIESIS***

# VIII. COMPONENTS OF BLOOD



***IX. WHITE BLOOD CELLS:***

***A. AGRANULAR***

***1. LYMPHOCYTES***

***2. MONOCYTES***

***B. GRANULAR***

***1. NEUTROPHILS***

***2. EOSINOPHILS***

***3. BASOPHILS***

***X. WHITE BLOOD CELL ALTERATIONS - ILLNESSES***

***ELEVATED LYMPHOCYTES***

***ELEVATED EOSINOPHILS***

***ELEVATED MONOCYTES***

***DECREASED T-CELLS***

***GRANULOCYTOSIS***

***LYMPHOCYTOSIS***