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Assignment : physiology.

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Question no 1:

Homeostasis ?

Meaning

Greek word : “ Homeo- same , stasis- standing”

Definition

The ability of an organism to maintain its internal environment constant or nearly constant is known as homeostasis .

Importance of homeostasis

1. The homeostasis is the central main requirement of an organisms and is necessary for normal body functions .
2. The organisms having better homeostatic system will survive and adopt in the changing condition .
3. Homeostasis contributes in the evolutionary process.
4. In homeostasis there is a check and balance system which is necessary in the body .
5. Such controlling mechanisms help to prevent drastic changes within the body of organism

Question no 2

Life spin of white blood cells?

These cells helps fight infections by attacking bacteria , viruse and germs that invade the body .

Wbcs has a nucleus . Larger than Rbcs cells .

Made in bone marrow like a red blood cells .

“ the life span of white blood cell ranges from 13 to 20 days .after which time they are destroyed in the lymphatic system.

Life spin of white blood cells

Not constant

* Neutrophils \_ 2-5 days .
* Eosinophils \_ 7-12 days .
* Basophils \_ 12- 15 days .
* Monocytes \_ 2-5 days .
* Lymphocytes \_ 1/2-1 days .

Question no 3

Which types of blood have no nucleus?

 Red blood cell

In human mature red blood cells are flexible and oval bioconcave disk they lack a cell nucleus.

Red blood cell .. they contain haemoglobin. A red protein that combines with oxygen. They have no nucleus so they can contain more haemoglobin. They are small and flexible so that they can fit through narrow bone vessels .

Answer 2

As far as i know red blood cells and blood platelets are the only human cell in our body without a nucleus .

Erythrocytes and thrombocytes are the only human cells without a nucleus as far as i know.