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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.