

Hw
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① Write two differences between Blood and Lymph.

Ans:

Blood

Lymph

- It is red in colour due to the presence of haemoglobin in red cells.
- Its plasma has more proteins, calcium and phosphorus.

- It is colourless as red blood cells are absent.
- Its plasma has less protein, calcium and phosphorus.

② How bone differs from cartilage?

Bone

Cartilage

- Matrix is composed of a tough, inflexible material, the ossein.
- Bone cells lie in lacunae singly.
- Matrix occurs largely in concentric lamellae.
- Bone may have bone marrow at the centre.
- Lacunae give off canaliculi.

- Matrix is composed of a firm, but flexible material, the chondrin.
- Cartilage cells lie in lacunae singly or in groups of two or four.
- Matrix occurs in homogenous mass.
- No such tissue is present.
- Lacunae lack canaliculi.

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③ What is the main function of muscle tissue?

Ans. The main function of muscle tissue is the responsibility of movement in our body. Muscles contain special proteins called contractile proteins, which contract and relax to cause movement.