

1) Write two differences between blood & lymph

Blood

- It is red colour due to the presence of haemoglobin in red cells
- It moves away from heart & towards the heart

Lymph

- It is colourless as red blood cells are absent
- It moves in one direction i.e. from tissue to subclavians

2) How bone differs from cartilage?

Bone

- Matrix is composed of a tough, inflexible material, the ^{ossein} matrix.
- Matrix is always impregnated with calcium salts.
- Bone cells lie in lacunae slightly.
- Matrix occurs largely in concentric lamellae.
- Bone is highly vascular.
- Bone has bone marrow at the centre.

Cartilage

- Matrix is composed of a firm, but flexible material, the chondrin.
- Matrix may be free or impregnated with calcium salts.
- Cartilage cells lie in lacunae singly or in groups of two or four.
- Matrix occurs in homogeneous mass.
- Cartilage is non-vascular.
- NO such tissue is present.

3) What is the main function of muscle tissue?

Main function of muscle tissues :-

- Muscle cells are typically arranged in parallel arrangement allowing them to work together effectively
- This tissue is responsible for movement in our body
- Muscle contain special protein called contractile proteins which contract & relax to cause movement.