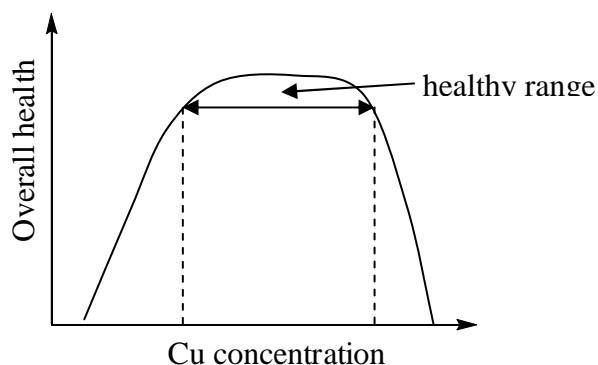


- Copper is an essential element in human biology, deficiencies leading to blood disorders. Excess copper can occur in cases of poisoning or in Wilson's disease. Draw a graph showing the relationship between overall health and the level of copper in the body and identify the 'healthy' range.



Describe one biological function of copper.

Copper enzymes are involved in electron transport systems due to the ability of copper to change its oxidation state.

In some organisms, copper enzymes are involved in oxygen transport.

Suggest one approach for treating an excess level of copper.

Treatment with a complexing agent such as EDTA leads to the formation of stable water-soluble complex that can be excreted from the body.