

NCERT/CBSE CHEMISTRY CLASS 11 textbook

<http://www.TutorBreeze.com>

Contact for Online Tutoring in Physics, Math, Chemistry,

English, French, Accounts, MBA

Solutions/Answers to NCERT/CBSE CHEMISTRY Class 11(Class XI)textbook

CHAPTER TEN

The s-Block Elements

10.24 Explain the significance of sodium, potassium, magnesium and calcium in

Biological fluids.

- (1) Sodium and potassium ions participate in the transmission of nerve signals.
- (2) Sodium ions regulate the water across cell membranes and help in transport of sugars and amino acids into the cell.
- (3) Potassium ions activates many enzymes, help in the oxidation of glucose to ATP
- (4) Magnesium ions are required by all enzymes, which utilize ATP in phosphate transfer.
- (5) Calcium is present in bones, enamel of the teeth.
- (6) Calcium ions are important for clotting of blood, regulating the heartbeat.

©TutorBreeze.com

Please do not copy the answer given here

[Write to us for help in understanding the solution](#)