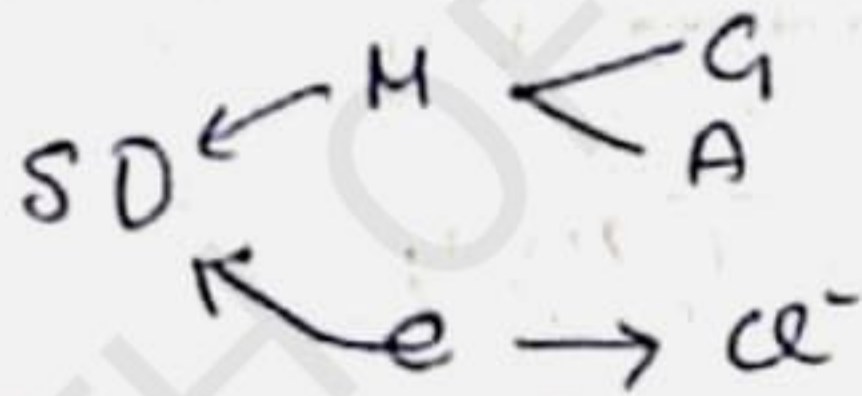


Absorption of Nutrient

• Diffusion - Monosaccharides like Glucose, Amino acid of electrolyte like Cl^- are absorbed by simple diffusion

* The passage of these substance into the blood depends upon the concentration gradient.



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• Facilitated Transport - Fructose and Amino acid are absorbed with the help of carrier ion like Na^+ .

• Active Transport - occurs against the conc. gradient and hence requires energy, various nutrients like amino acids, monosaccharides like glucose and electrolytes like Na^+ are absorbed into the blood.

• Fatty acid and Glycerol - (Insoluble and cannot be absorbed into the blood.)

They are incorporated into small droplets called micelle which move into the intestinal mucosa.



They are expanded into very small protein coated fat globule called chylomicrons



These are transported into lymph vessel in the villi



lymph vessel ultimately release the absorbed substance into the blood stream.

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*The absorbed substances finally reach the tissue which utilise them for their activities. This process is called assimilation.

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