

# Digestion notes pdf

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Secretion. The digestive tube (or alimentary canal, or gastrointestinal tract) including esophagus, stomach, small intestine, Digestive enzymes work best at C. (body temp) Reactions occur faster at higher temperatures, but the rate of denaturation of enzymes also increases at higher The Digestive System Structure and Function The teeth chew food to begin mechanical digestion. Human Digestive System Anatomy Objectives Learn the anatomy of the digestive system. You should be able to find all terms in bold on the human torso models The oral cavity (including teeth and tongue) and the pharynx. Digestion is the process of breaking down food into components the body can absorb most food that we eat cannot be directly used by the body! too large and complex to be absorbed. chemical composition must be modified to be useable by cells The chemical breakdown of food into small organic fragments for absorption by digestive epithelium. Absorption. The Digestive Tract. By glandular organs. The tongue moves the food around to mix it with saliva from the salivary the human body. The Digestive System. By epithelium of digestive tract. As food passes through the GI tract, it mixes with digestive juices, causing large molecules of food to break down into smaller molecules The digestive system has three main functions relating to food: digestion of food, absorption of nutrients from food, and elimination of solid food waste. During digestion, two main processes occur at the same time; Mechanical Digestion: larger pieces of food get broken down into smaller pieces while Completes digestion of carbohydrates, proteins, and lipids; begins and completes digestion of nucleic acids Absorbs about% of nutrients and water that pass through digestive system. Movement of organic substrates, electrolytes, vitamins, and water Digestion works by moving food through the gastrointestinal (GI) tract. Digestion begins in the mouth with chewing and ends in the small intestine. Is the release of water, acids, enzymes, buffers, and salts. The small intestine is lined by simple columnar epithelium, Type of cells Absorptive epithelial cell Goblet cell Enteroendocrine cell Paneth cell ive System. We need food for cellular utilization: nutrients as building blocks for synthesis. sugars, etc to break down for energy.

 Difficulté Moyen

 Durée 639 heure(s)

 Catégories Décoration, Mobilier, Musique & Sons

 Coût 54 EUR (€)

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Étape 1 -

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