

Free ebook Chapter 14 digestive system (PDF)

your digestive system is a network of organs that help you digest and absorb nutrition from your food it includes your gastrointestinal gi tract and your biliary system your gi tract is a series of hollow organs that are all connected to each other leading from your mouth to your anus the human digestive system is the means by which tissues and organs receive nutrients to function the system breaks down food extracts nutrients from it and converts them into energy the digestive system consists of several organs that function together to break down the foods you eat into molecules your body can use for energy and nutrients the digestive tract includes the mouth esophagus stomach intestines and anus extending from the mouth to the anus the digestive tract is one of the largest systems in the human body it contains organs that regulate food intake its digestion and absorption of the useful materia that it contains the human digestive system is the series of structures and organs through which food and liquids pass during their processing into forms that can be absorbed into the bloodstream the human digestive system consists of the gastrointestinal tract plus the accessory organs of digestion the tongue salivary glands pancreas liver and gallbladder digestion involves the breakdown of food into smaller and smaller components until they can be absorbed and assimilated into the body the process of digestion has three the digestive system moves food through the body breaking it down so nutrients can absorb into the bloodstream where cells can use them for energy tissue growth and repair and other a digestive system is a group of organs consisting of the central gastrointestinal gi tract and its associated accessory organs that break down food into smaller components so that nutrients can be absorbed and assimilated this provides the necessary energy to sustain the body overview of the digestive system how food moves through each part of the gi tract to help break down food for energy growth and cell repair introduction the digestive system also known as the gastrointestinal system regulates food intake enables the digestion and absorption of nutrients and enables waste elimination 1 your digestive system consists of a series of linked organs stretching from your mouth to your anus together they work to turn food you eat into nutrients your body needs for energy growth the function of the digestive system is to break down the foods you eat release their nutrients and absorb those nutrients into the body the trachea epiglottis esophagus and the process of swallowing what is peristalsis how peristalsis moves food through the digestive tract read post accessory organs glands and organs that facilitate the process of digestion where are the salivary glands located is saliva all water how does the liver facilitate digestion the main functional segments of the small intestine are the duodenum the jejunum and the ileum the duodenum is 23 to 28 cm 9 to 11 inches long and forms a c shaped curve that encircles the head of the pancreas 4 min read the digestive system is the series of tubelike organs that convert our meals into body fuel there are about 30 feet 9 meters of these convoluted pipeworks starting with the mouth the human digestive system the process of digestion begins in the mouth with the intake of food figure 14 2 1 14 2 1 the teeth play an important role in masticating chewing or physically breaking food into smaller particles the enzymes present in saliva also begin to chemically break down food the digestive system is made up of the digestive tract and other organs that aid in digestion the digestive tract is a series of hollow organs joined in a long twisting tube from the mouth to the anus within the mouth the teeth and tongue begin mechanical digestion whereas the salivary glands begin chemical digestion once food products enter the small intestine the gallbladder liver and pancreas release secretions such as bile and enzymes essential for digestion to continue the digestive system is the parts of the body that digest food it is the

gastrointestinal system it breaks down food into simple chemicals which can be absorbed into the blood stream it also produces waste which be expelled by passing gas pooping or even passing urine the esophagus is a muscular tube that contracts in a synchronized fashion peristalsis to move food down towards the stomach while the muscles behind the food product contract the muscles ahead of the food relax causing the forward propulsion of the food peristalsis is the main mechanism by which food moves through our digestive system

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overview of the digestive system how food moves through each part of the gi tract to help break down food for energy growth and cell repair

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introduction the digestive system also known as the gastrointestinal system regulates food intake enables the digestion and absorption of nutrients and enables waste elimination 1

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the trachea epiglottis esophagus and the process of swallowing what is peristalsis how peristalsis moves food through the digestive tract read post accessory organs glands and organs that facilitate the process of digestion where are the salivary glands located is saliva all water how does the liver facilitate digestion

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