

Query ID: test1566

Query Text: where are most nutrients absorbed in the human digestive tract

Retrieved Documents:

1	doc55929	Small intestine. The small intestine or small bowel is the part of the gastrointestinal tract between the stomach and the large intestine, and is where most of the end absorption of food takes place.
0	doc556862	Gastric bypass surgery. The small intestine is normally 610 m (2033 ft) in length. As the Y-connection is moved further down the gastrointestinal tract, the amount available to fully absorb nutrient
0	doc1261729	Lipid metabolism. The second step in lipid metabolism is the absorption of fats. Absorption of fats occurs only in the small intestines. Once the triglycerides are broken down into individual fatty ac
0	doc588982	Starfish. Primitive starfish, such as <i>Astropecten</i> and <i>Luidia</i> , swallow their prey whole, and start to digest it in their cardiac stomachs. Shell valves and other inedible materials are ejected through
0	doc2026221	Anaerobic digestion. In a typical scenario, three different operational parameters are associated with the solids content of the feedstock to the digesters:
0	doc2432290	Sawfish. Their small intestines contain an internal partition shaped like a corkscrew, called a spiral valve, which increases the surface area available for food absorption.[citation needed]
0	doc687432	Urinary system. The urinary system, also known as the renal system or urinary tract, consists of the kidneys, ureters, bladder, and the urethra. The purpose of the urinary system is to eliminate waste
0	doc1486036	Burmese python. The digestive response of Burmese pythons to such large prey has made them a model species for digestive physiology. A fasting python has a reduced stomach volume and acidity, reduced
0	doc2328660	Glycine. Glycine is not essential to the human diet, as it is biosynthesized in the body from the amino acid serine, which is in turn derived from 3-phosphoglycerate, but the metabolic capacity for gl
0	doc2434513	Flatworm. Most platyhelminths have no anus and regurgitate undigested material through the mouth. However, some long species have an anus and some with complex, branched guts have more than one anus,
0	doc580359	Pharynx. The laryngopharynx, (Latin: <i>pars laryngea pharyngis</i>), also known as hypopharynx, is the caudal part of pharynx; it is the part of the throat that connects to the esophagus. It lies inferior t
0	doc1141190	Pus. In almost all cases when there is a collection of pus in the body, the clinician will try to create an opening to drain it. This principle has been distilled into the famous Latin aphorism "Ubi p
0	doc55551	Brain. Brain tissue consumes a large amount of energy in proportion to its volume, so large brains place severe metabolic demands on animals. The need to limit body weight in order, for example, to fl
0	doc1806018	Rumen. Microbes in the reticulorumen include bacteria, protozoa, fungi, archaea, and viruses. Bacteria, along with protozoa, are the predominant microbes and by mass account for 40-60% of total microb
0	doc2629898	Senna glycoside. Senna glycoside, also known as sennoside or senna, is a medication used to treat constipation and empty the large intestine before surgery.[1] The medication is taken by mouth or via
0	doc611936	Kidney stone disease. Unlike supplemental calcium, high intakes of dietary calcium do not appear to cause kidney stones and may actually protect against their development.[17][27] This is perhaps rela
0	doc1414037	Electromagnetic absorption by water. The absorption in the gas phase occurs in three regions of the spectrum. Rotational transitions are responsible for absorption in the microwave and far-infrared, v
0	doc1513583	Gelatin. If the raw material used in the production of the gelatin is derived from bones, dilute acid solutions are used to remove calcium and other salts. Hot water or several solvents may be used to
0	doc2264453	Absorption heat pump. An absorption heat pump is an air-source heat pump driven not by electricity, but by a heat source such as solar-heated water, or geothermal-heated water. Absorption refrigerato

0	doc2318000	Dental anesthesia. A Faster drug absorption at injection site
0	doc1927313	Detritus. In land ecosystems, the waste products of plants and animals collect mainly on the ground (or on the surfaces of trees), and as decomposition proceeds, plants are supplied with fertiliser in
0	doc2049698	Hunger in the United States. Food insecurities among college students are a persistent issue. Researchers suggest the need for college campuses to examine available and accessible food-related resourc
0	doc10934	Sympathetic nervous system. Sympathetic nerves arise from near the middle of the spinal cord in the intermediolateral nucleus of the lateral grey column, beginning at the first thoracic vertebra of th
0	doc645076	Glycolysis. Fructose 2,6-bisphosphate (F2,6BP) is a very potent activator of phosphofructokinase (PFK-1) that is synthesized when F6P is phosphorylated by a second phosphofructokinase (PFK2). In the I
0	doc2506444	Laver (seaweed). Laver is highly nutritious because of its high proportions of protein, iron, and especially iodine[citation needed]. It also contains high levels of vitamins B2, A, D and C[citation n
0	doc449359	Pull-up (exercise). The abdominal muscles stabilize the torso by connecting the rib cage to the pelvis. The rectus abdominis (along with hip flexors) can generate force to lift the lower body up durin
0	doc1128847	Membrane transport. There are several databases which attempt to construct phylogenetic trees detailing the creation of transporter proteins. One such resource is the Transporter Classification databa
0	doc1187581	Intake interview. The intake interview is important in clinical psychology because it is the first interaction that occurs between the client and the clinician. The clinician may explain to the client
0	doc1523077	Cheese. Note : All nutrient values including protein are in %DV per 100 grams of the food item except for Macronutrients. Source : Nutritiondata.self.com
0	doc1637606	Malate-aspartate shuttle. The second antiporter (the glutamate-aspartate antiporter) imports glutamate from the cytosol into the matrix and exports aspartate from the matrix to the cytosol. Once in th
0	doc2508289	Asian giant hornet. Hornet larvae, but not adults, can digest solid protein; the adult hornets can only drink the juices of their victims, and they chew their prey into a paste to feed to their larvae
0	doc1510169	Carbon capture and storage. CO2 from Mitchell, Gray Ranch, Puckett, and Turrell gas processing plants is transported via the Val Verde and CRC pipelines[where?] for EOR (incl. Sharon Ridge[clarificati
0	doc813262	Bean. Beans are high in protein, complex carbohydrates, folate, and iron.[20] Beans also have significant amounts of fiber and soluble fiber, with one cup[clarification needed] of cooked beans providi
0	doc1120184	Obesity in the United States. Food consumption has increased with time. For example, annual per capita consumption of cheese was 4 pounds (1.8 kg) in 1909; 32 pounds (15 kg) in 2000; the average perso
0	doc1404787	Hippocampus. The input to the hippocampus (from varying cortical and subcortical structures) comes from the entorhinal cortex via the perforant path. The entorhinal cortex (EC) is strongly and recipro
0	doc1547173	Immune system. Newborn infants have no prior exposure to microbes and are particularly vulnerable to infection. Several layers of passive protection are provided by the mother. During pregnancy, a par
0	doc266020	Culture of France. The French typically eat only a simple breakfast ("petit déjeuner") which consists of coffee, tea or hot chocolate with milk, served traditionally in a large handleless "bol" (bowl)
0	doc698521	Secretion. Secretion is not unique to eukaryotes alone, it is present in bacteria and archaea as well. ATP binding cassette (ABC) type transporters are common to all the three domains of life. The Sec
0	doc260549	Bible Diet. Rubin sees the diet as responsible for his recovery from Crohn's disease at the age of 19.[1][2] As of 2008[update] no peer-reviewed scientific-journal articles had evaluated this diet. In
0	doc1821245	Acid dissociation constant. In environmental science acidabase equilibria are important for lakes[73] and rivers:[74][75] for example, humic acids are important components of natural waters. Another
0	doc1634363	Renal function. Renal function, in nephrology, is an indication of the kidney's condition and its role in renal physiology. Glomerular filtration rate (GFR) describes the flow rate of filtered fluid t

0	doc1966447	Food waste. Generally, food loss or food waste is food that is lost during any of the four stages of the food supply chain: (1) growers, (2) processors, (3) retailers, and (4) consumers.[4] Precise de
0	doc839611	Ruminant. Monogastric herbivores, such as rhinoceroses, horses, and rabbits, are not ruminants, as they have a simple single-chambered stomach. These hindgut fermenters digest cellulose in an enlarged
0	doc481423	Cystic fibrosis. In rare cases, cystic fibrosis can manifest itself as a coagulation disorder. Vitamin K is normally absorbed from breast milk, formula, and later, solid foods. This absorption is impa
0	doc875841	Accommodation reflex. Information from the light on each retina is taken to the occipital lobe via the optic nerve and optic radiation (after a synapse in the lateral geniculate body of the posterior
0	doc1474254	Sternum. The xiphoid process may become joined to the body before the age of thirty, but this occurs more frequently after forty; on the other hand, it sometimes remains ununited in old age. In advanc
0	doc156210	Xylem. During the Silurian, CO ₂ was readily available, so little water needed expending to acquire it. By the end of the Carboniferous, when CO ₂ levels had lowered to something approaching today's, ar
0	doc311528	Circular flow of income. Of course, the total economy is much more complicated than the illustration above. An economy involves interactions between not only individuals and businesses, but also Feder
0	doc1440294	Breakfast. The majority of urban Australians eat commercially prepared cereal with pasteurised milk or yogurt and toast with preserves such as marmalade or vegemite[51] for breakfast.[52] Two of the m
0	doc223047	Chloroplast. Like mitochondria, chloroplasts use the potential energy stored in an H ⁺ , or hydrogen ion gradient to generate ATP energy. The two photosystems capture light energy to energize electrons
0	doc2337542	The Golden Ass. While coming home with the Baker for supper, the Fuller interrupts his wife's love-making with a lover. She frantically attempts to hide her lover in a drying cage in the ceiling, hidd
0	doc610593	Tooth decay. In dentin from the deepest layer to the enamel, the distinct areas affected by caries are the advancing front, the zone of bacterial penetration, and the zone of destruction.[74] The adva
0	doc764256	Consumer Reports. In February 1998, the magazine tested pet food and claimed that lams dog food was nutritionally deficient. It later retracted the report claiming that there had been "a systemic erro
0	doc839729	Kochi. Soil consists of sediments such as alluvium, teris, brown sands, etc. Hydromorphic saline soils are also found in the areas surrounding the backwaters.[35]
0	doc840763	Imperial units. These measurements were in use from 1826, when the new imperial gallon was defined, but were officially abolished in the United Kingdom on 1 January 1971.[19][20] In the USA, though no
0	doc2227676	Dental anatomy. The mandibular third molar is the tooth located distally from both the mandibular second molars of the mouth with no tooth posterior to it in permanent teeth. In deciduous teeth, there
0	doc1581905	Human impact on the nitrogen cycle. A 15-year study of chronic N additions at the Harvard Forest Long Term Ecological Research (LTER) program has elucidated many impacts of increased nitrogen depositi
0	doc555610	Sympathetic ganglion. The bilaterally symmetric sympathetic chain ganglia, also called the paravertebral ganglia, are located just ventral and lateral to the spinal cord. The chain extends from the up
0	doc102223	PDCA. Another fundamental function of PDCA is the "hygienic" separation of each phase, for if not properly separated measurements of effects due to various simultaneous actions (causes) risk becoming
0	doc2414038	San Joaquin Valley. The Turlock Basin is a sub-basin of the San Joaquin Valley groundwater basin found within Stanislaus County and Merced County in the Central Valley.[37] In California's Groundwater

Non-retrieved Relevant Documents: